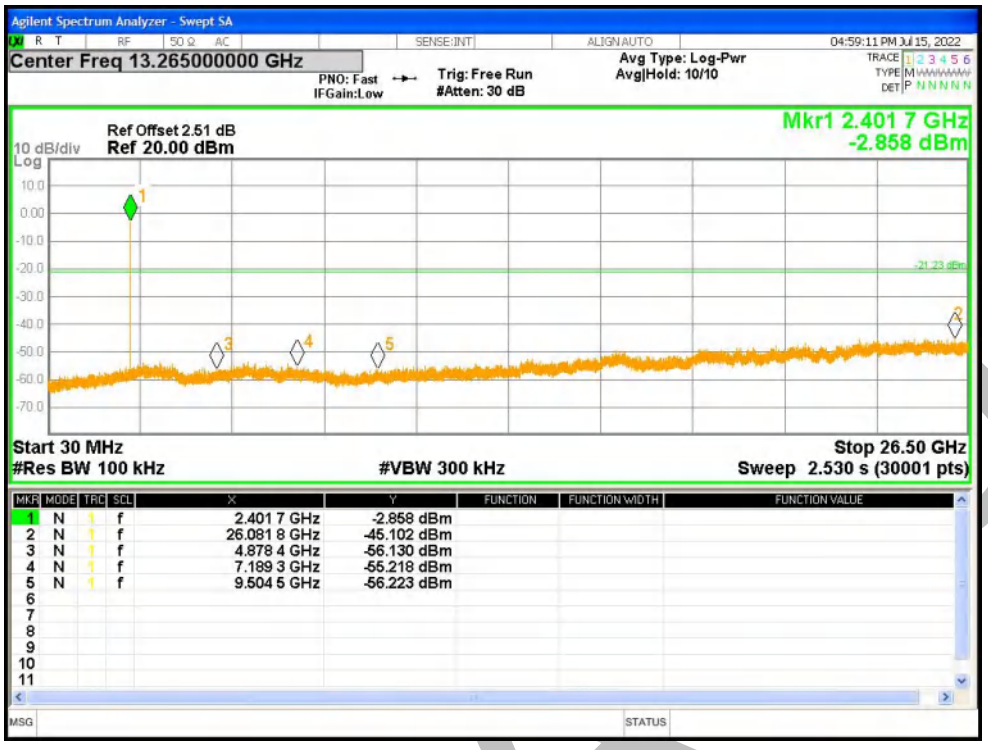
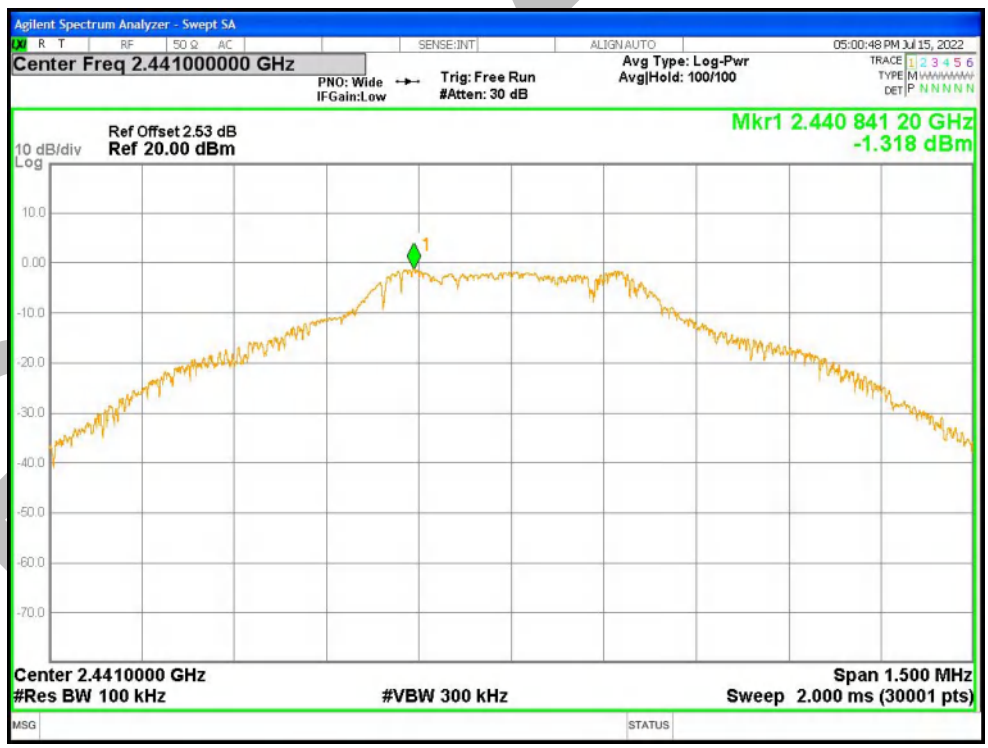
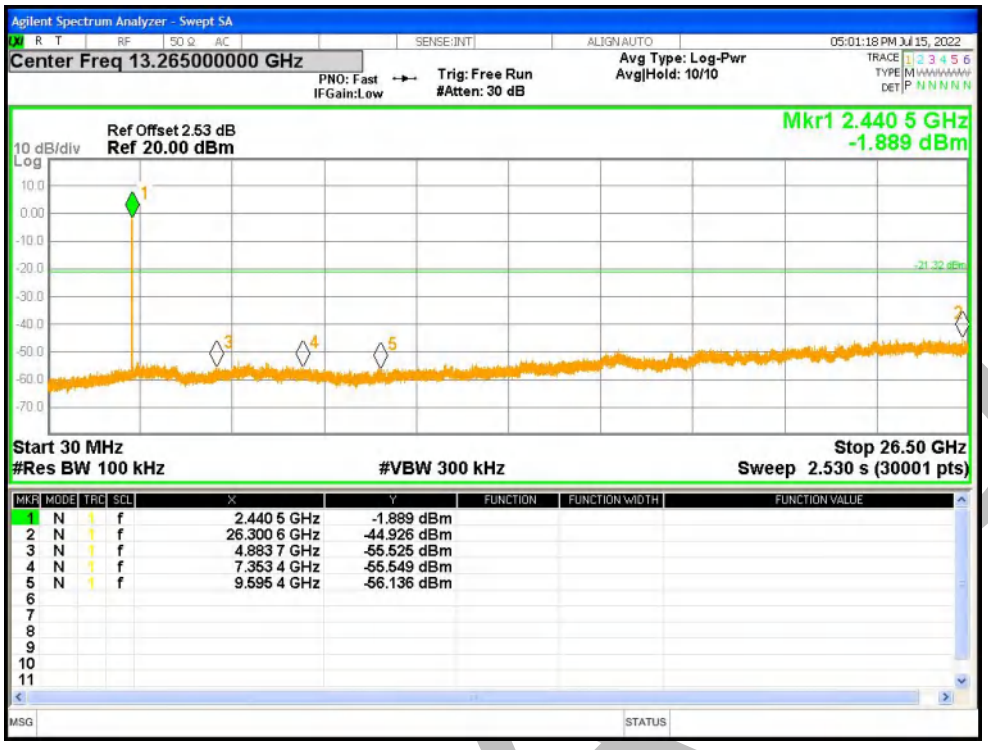


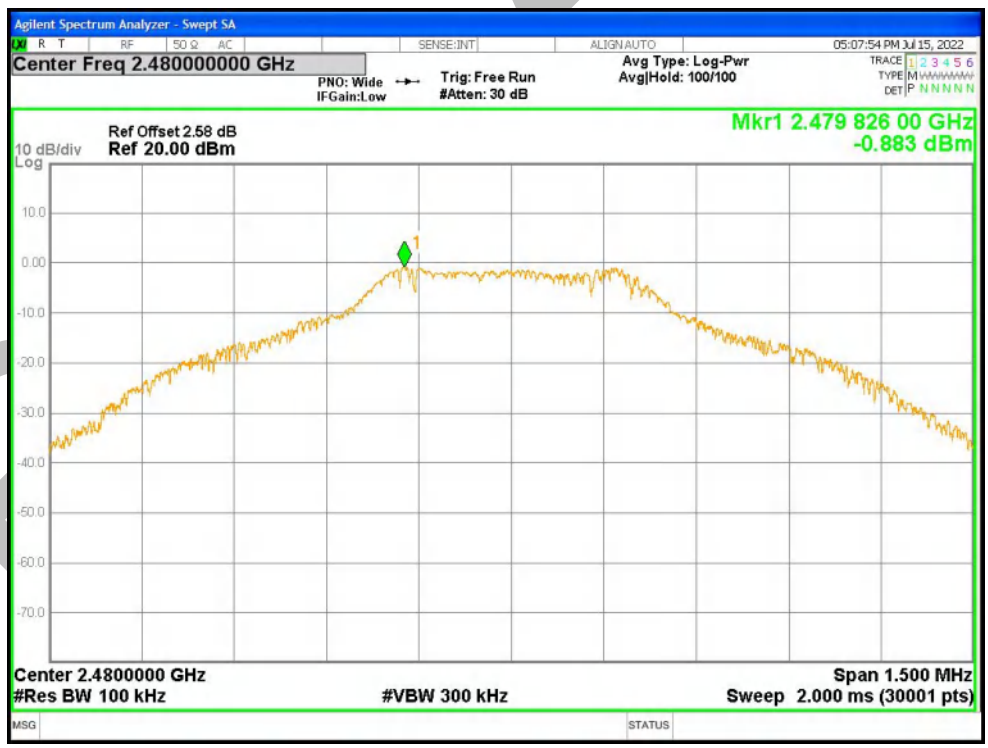

Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Ref



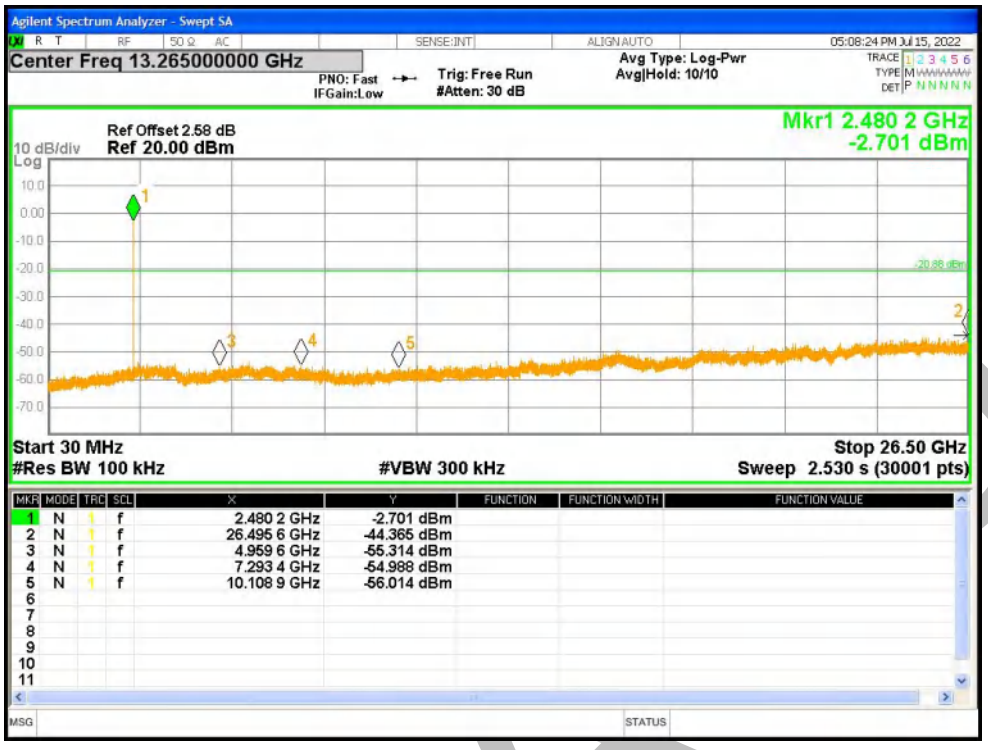

Tx. Spurious NVNT 1-DH1 2441MHz Ant1 Emission



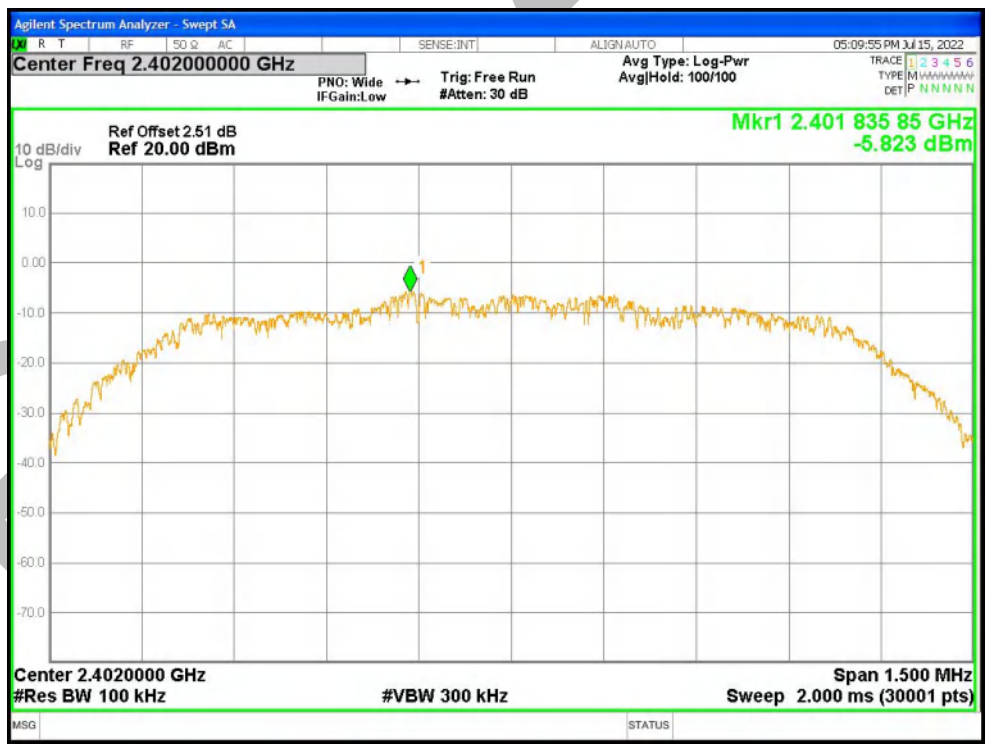

Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Ref



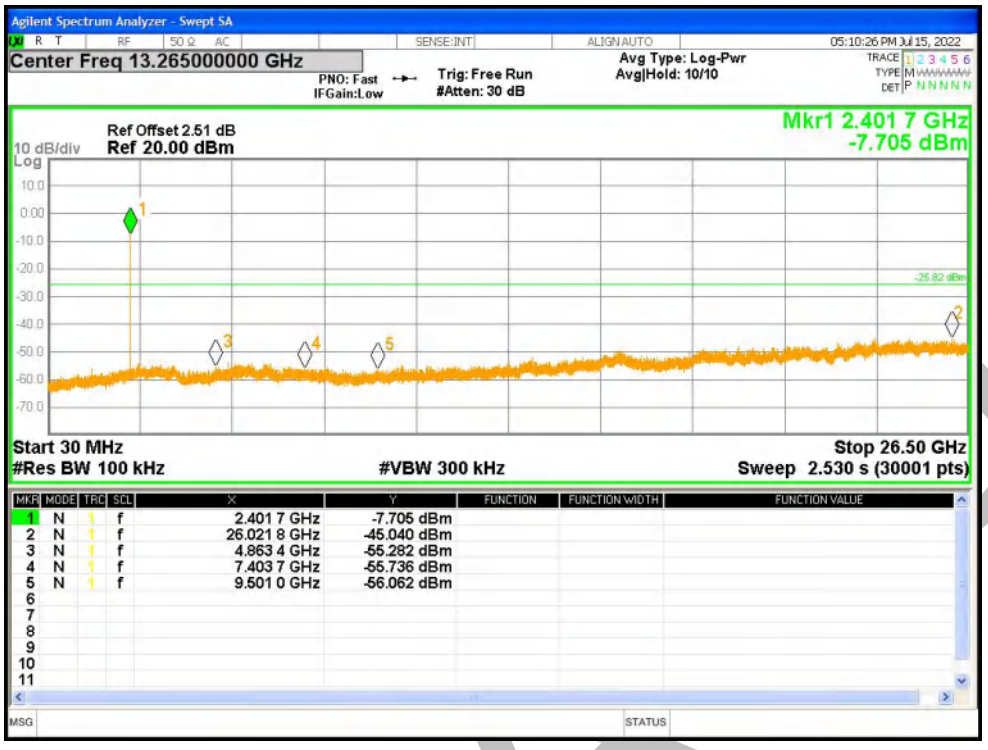

Tx. Spurious NVNT 1-DH1 2480MHz Ant1 Emission



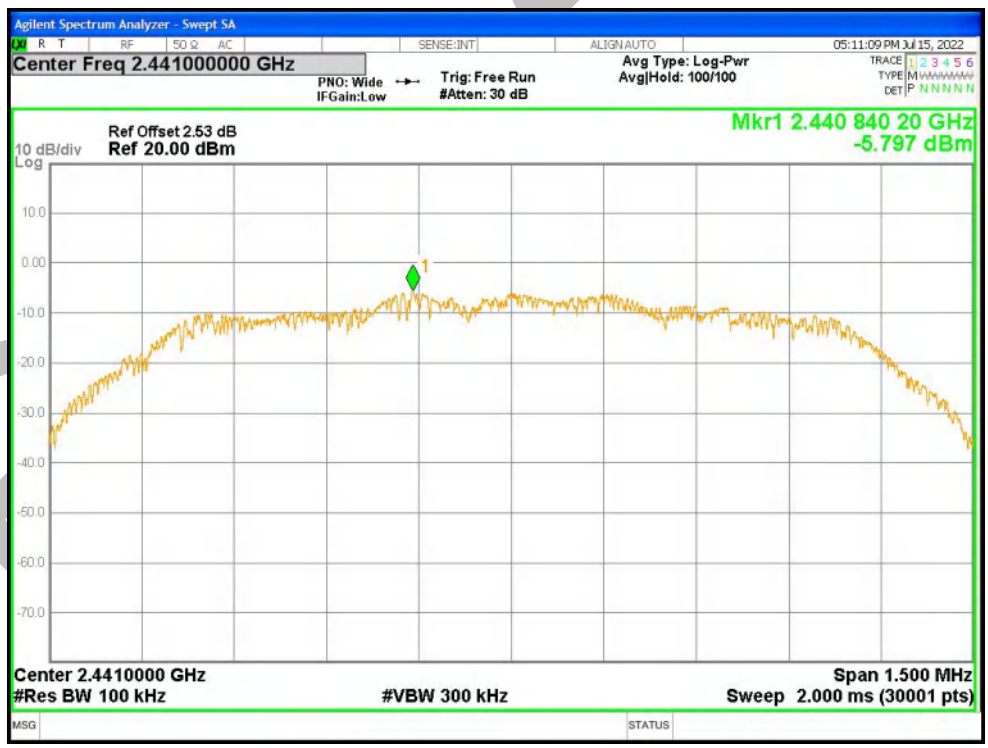

Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Ref



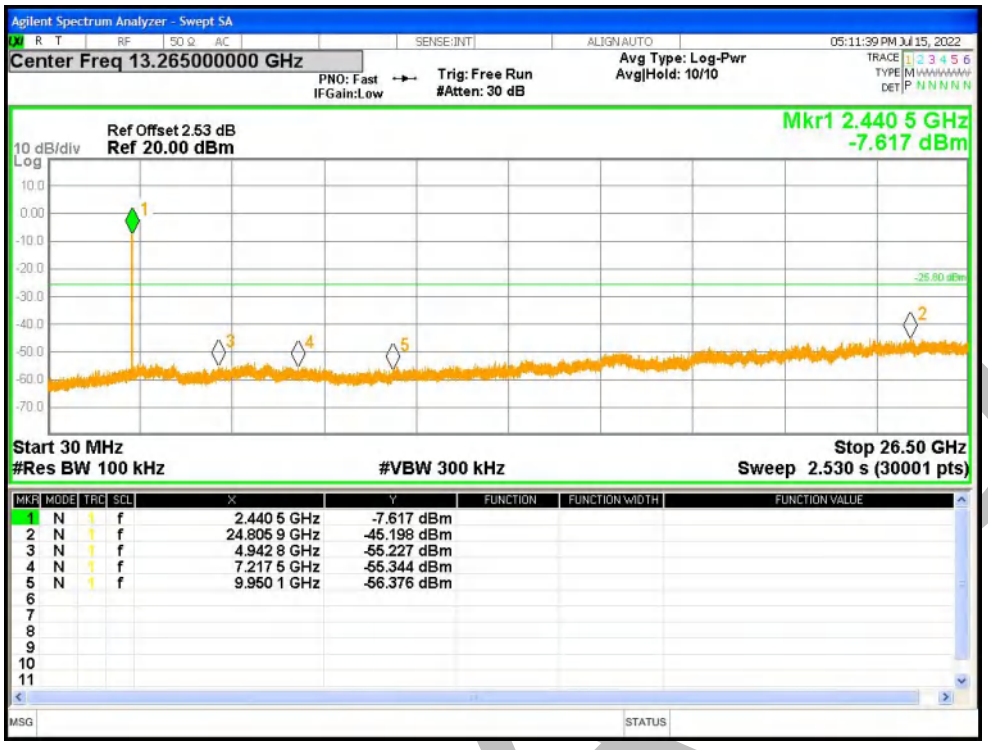

Tx. Spurious NVNT 2-DH1 2402MHz Ant1 Emission



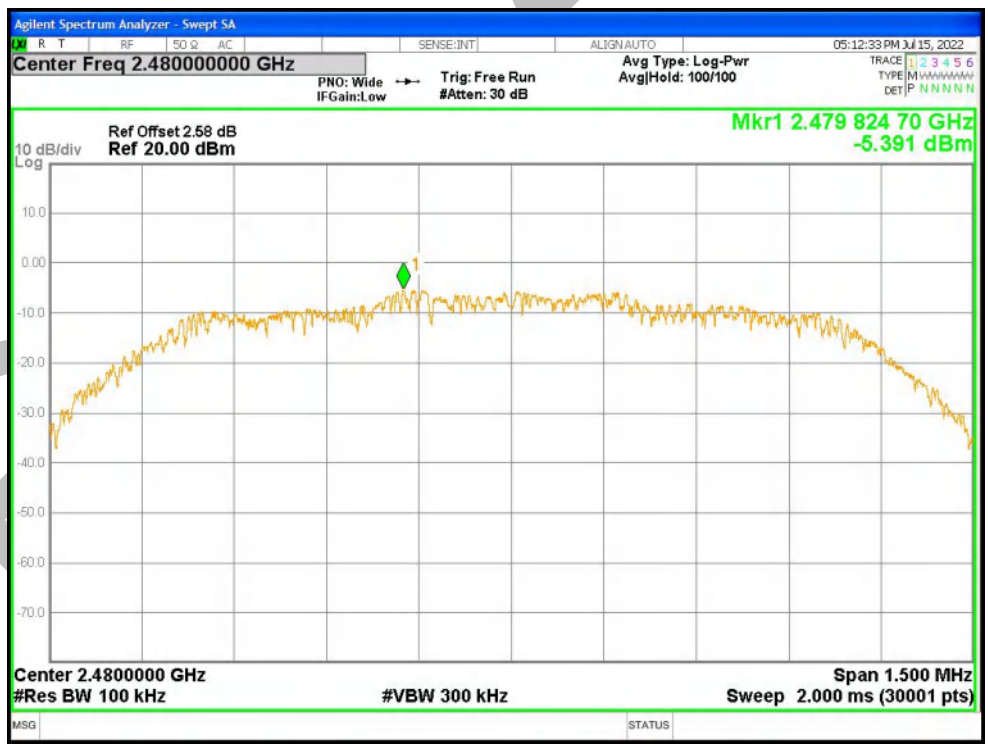

Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Ref



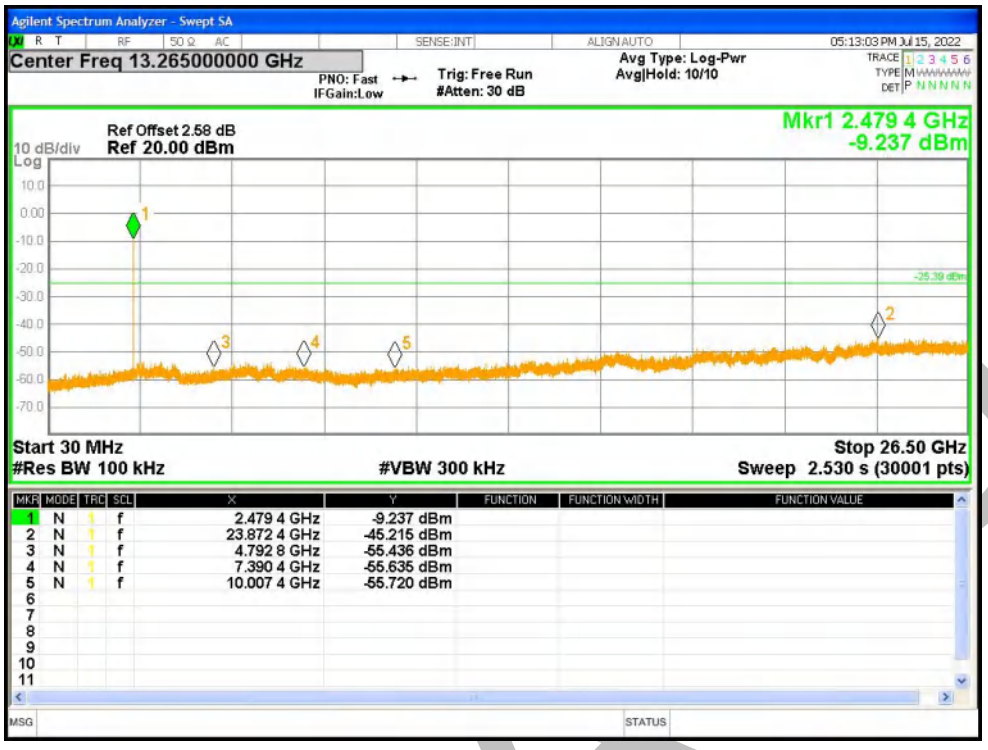

Tx. Spurious NVNT 2-DH1 2441MHz Ant1 Emission



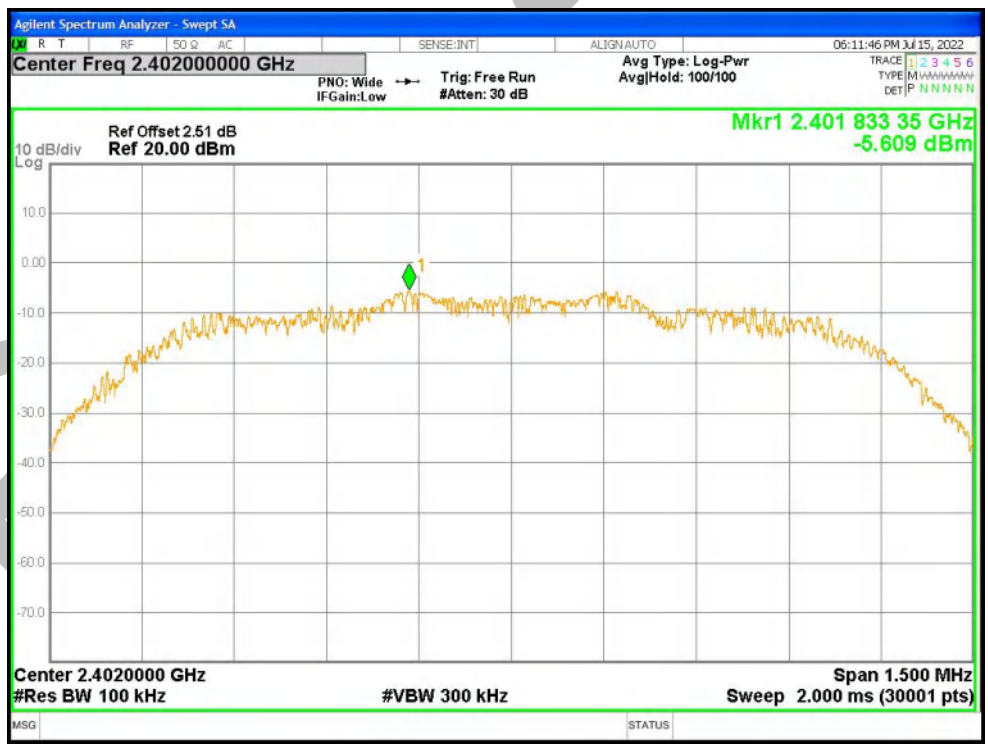

Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Ref



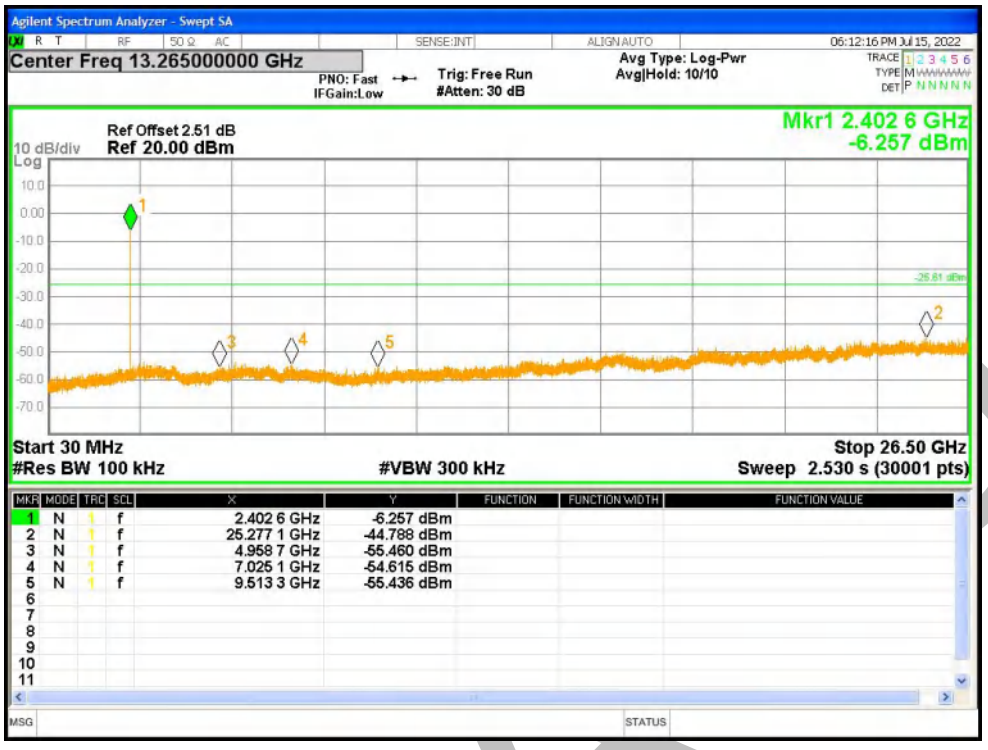

Tx. Spurious NVNT 2-DH1 2480MHz Ant1 Emission



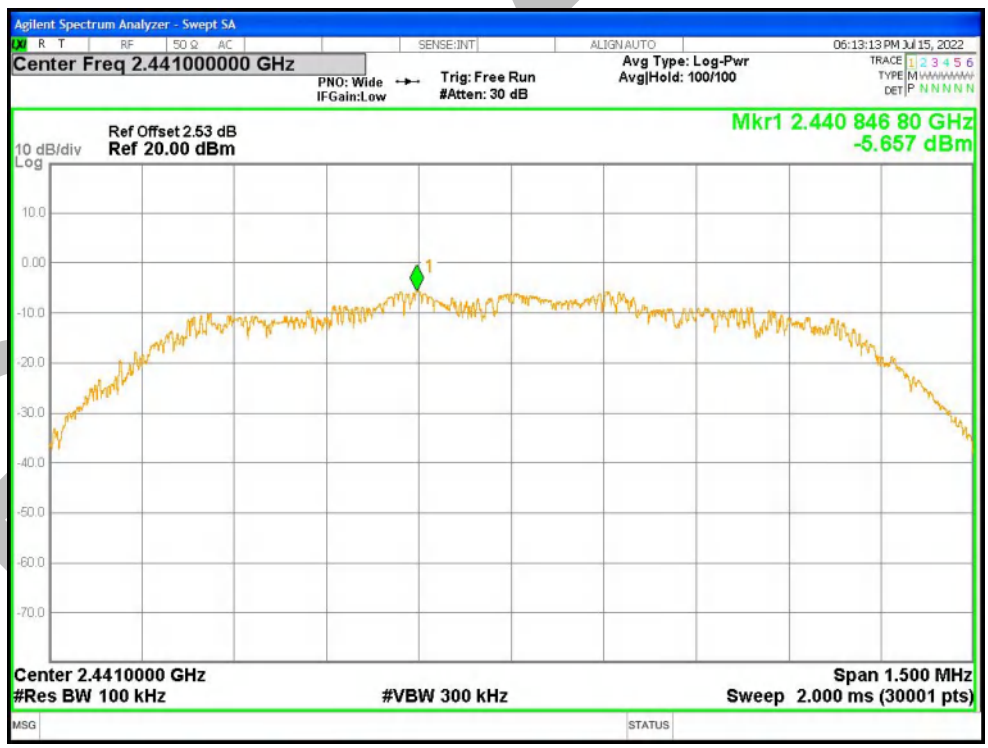

Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Ref



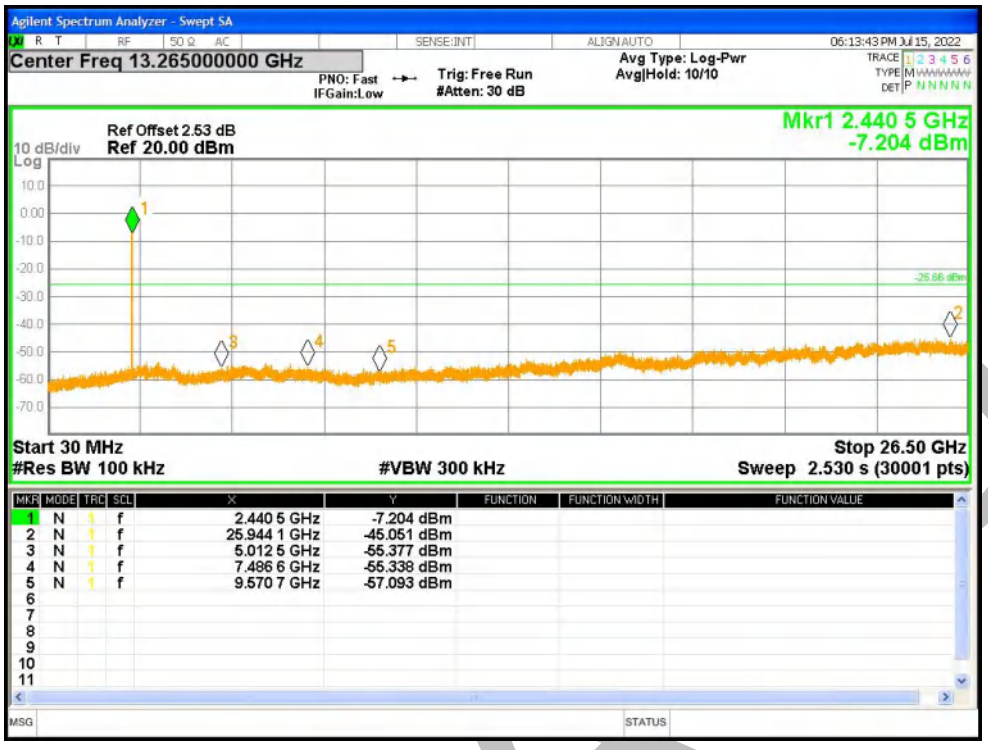

Tx. Spurious NVNT 3-DH1 2402MHz Ant1 Emission



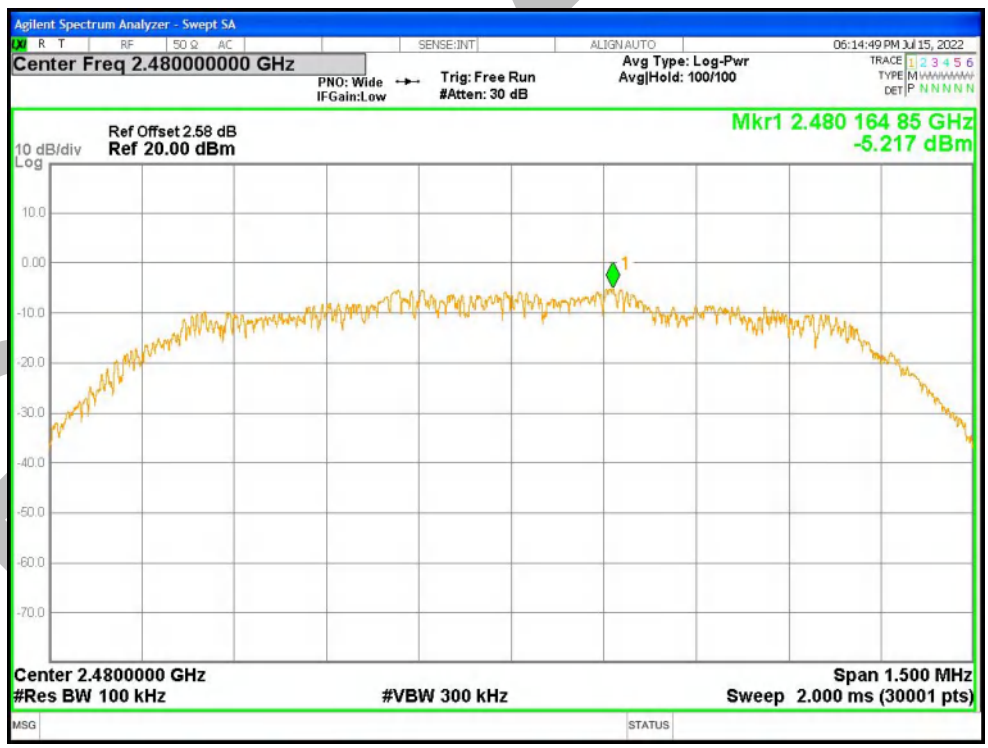

Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Ref



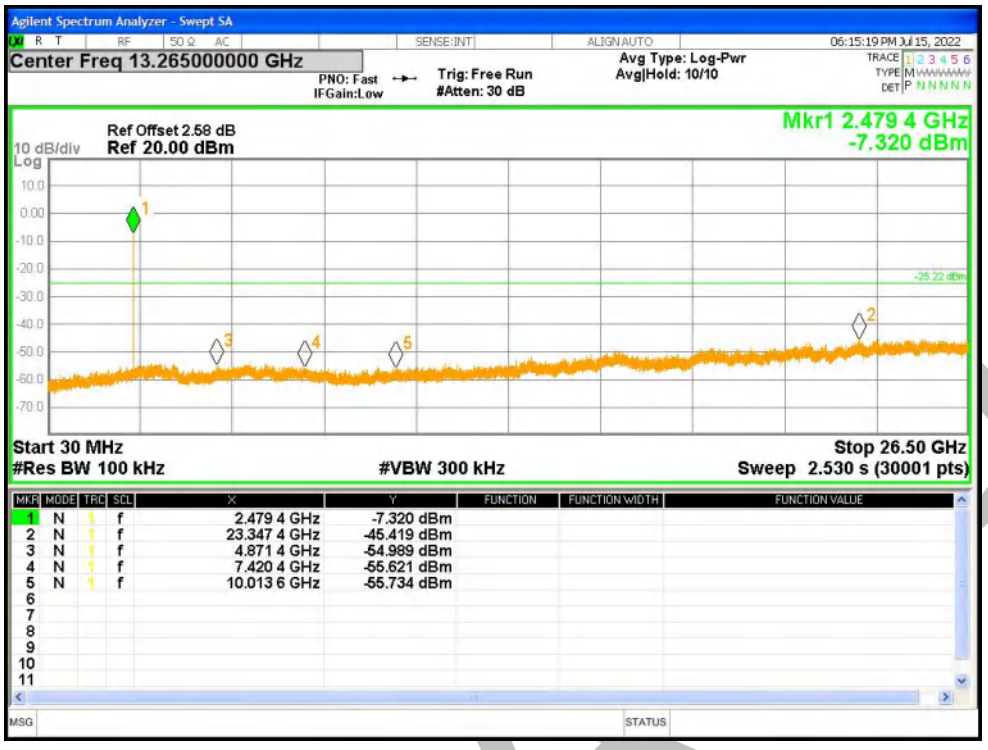

Tx. Spurious NVNT 3-DH1 2441MHz Ant1 Emission




Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Ref




Tx. Spurious NVNT 3-DH1 2480MHz Ant1 Emission


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.265000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 10/10
06:15:19 PM Jul 15, 2022
Ref Offset 2.58 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.479 4 GHz
-7.320 dBm
-25.22 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.530 s (30001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.479 4 GHz -7.320 dBm
2 N 1 f 23.347 4 GHz -45.419 dBm
3 N 1 f 4.871 4 GHz -54.989 dBm
4 N 1 f 7.420 4 GHz -55.621 dBm
5 N 1 f 10.013 6 GHz -55.734 dBm
MSG
STATUS

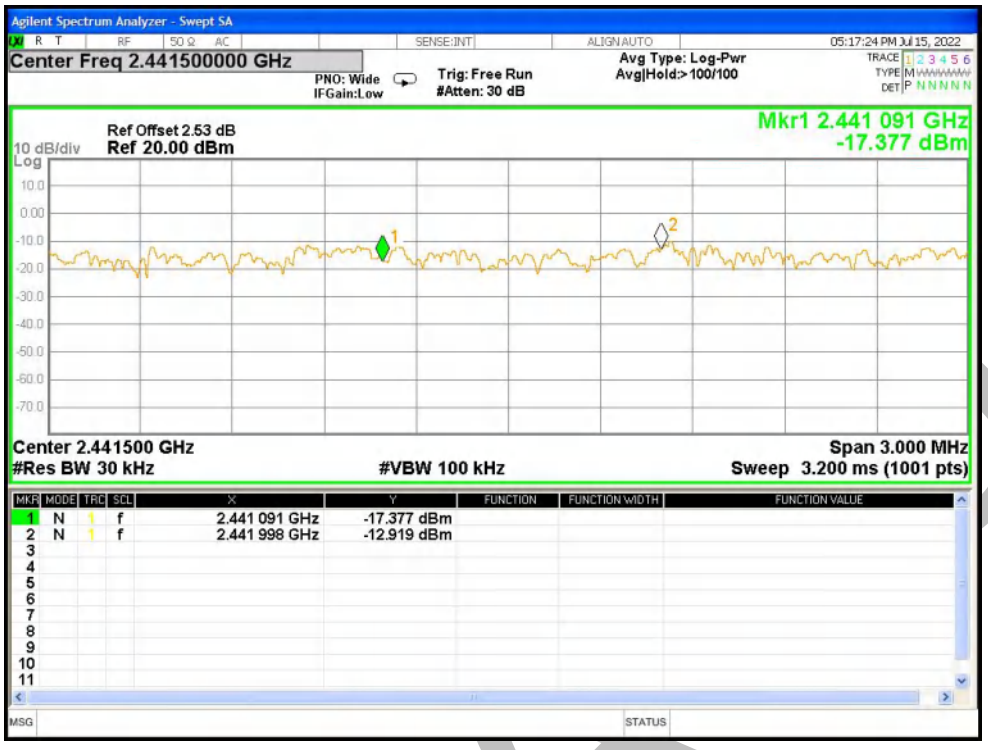
BlueAsia

**Carrier Frequencies Separation**

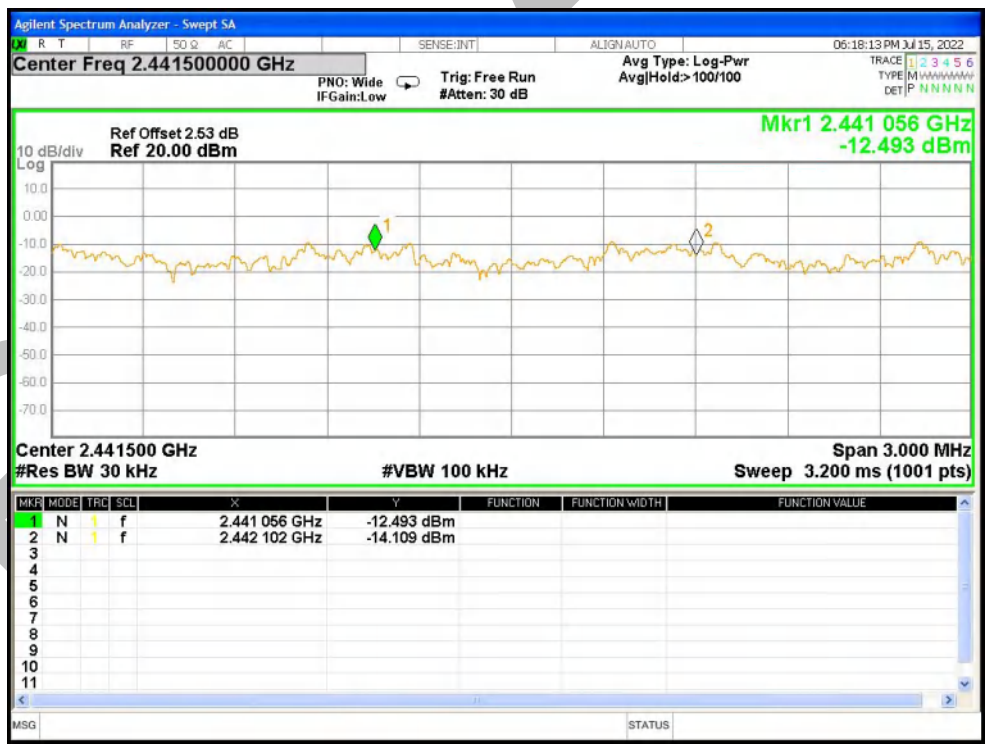
| Condition | Mode | Antenna | Hopping Freq1 (MHz) | Hopping Freq2 (MHz) | HFS (MHz) | Limit (MHz) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | 1-DH1 | Ant1 | 2441.02 | 2442.013 | 0.993 | 0.949 | Pass |
| NVNT | 2-DH1 | Ant1 | 2441.0905 | 2441.998 | 0.9075 | 0.893 | Pass |
| NVNT | 3-DH1 | Ant1 | 2441.056 | 2442.1015 | 1.0455 | 0.857 | Pass |

CFS NVNT 1-DH1 2441MHz Ant1

CFS NVNT 2-DH1 2441MHz Ant1




CFS NVNT 3-DH1 2441MHz Ant1

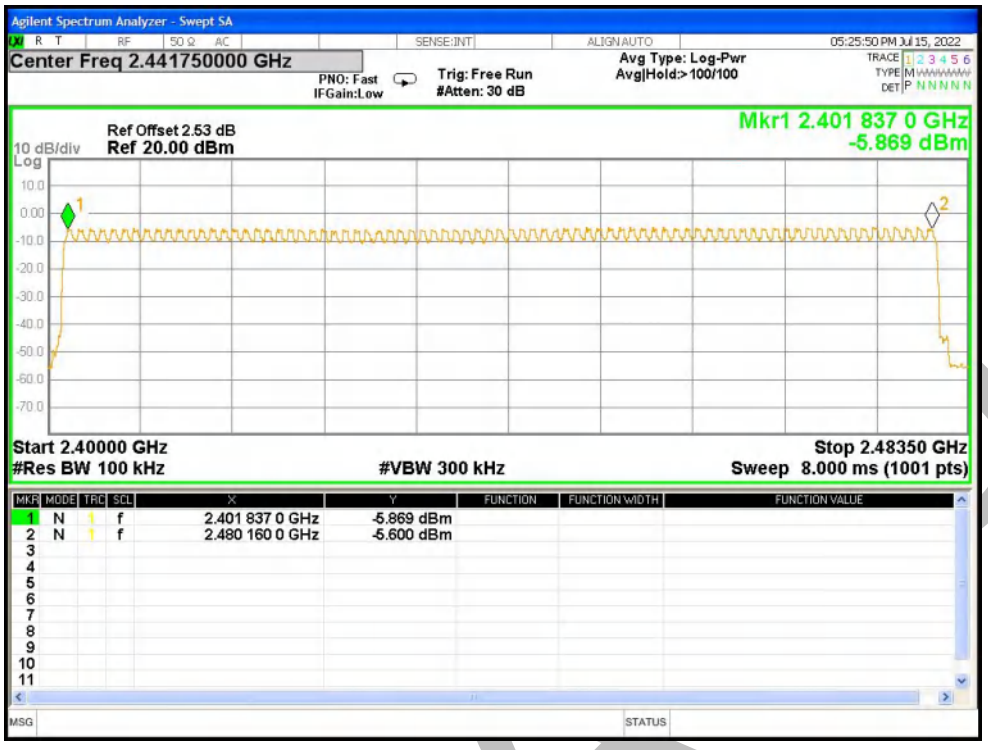


**Number of Hopping Channel**

| Condition | Mode | Antenna | Hopping Number | Limit | Verdict |
|---|---|---|---|---|---|
| NVNT | 1-DH1 | Ant1 | 79 | 15 | Pass |
| NVNT | 2-DH1 | Ant1 | 79 | 15 | Pass |
| NVNT | 3-DH1 | Ant1 | 79 | 15 | Pass |

Hopping No. NVNT 1-DH1 2441MHz Ant1

Hopping No. NVNT 2-DH1 2441MHz Ant1




Hopping No. NVNT 3-DH1 2441MHz Ant1

**Dwell Time**

| Condition | Mode | Frequency (MHz) | Antenna | Pulse Time (ms) | Total Dwell Time (ms) | Burst Count | Period Time (ms) | Limit (ms) | Verdict |
|---|---|---|---|---|---|---|---|---|---|
| NVNT | 1-DH1 | 2441 | Ant1 | 0.382 | 121.858 | 319 | 31600 | 400 | Pass |
| NVNT | 1-DH3 | 2441 | Ant1 | 1.639 | 258.962 | 158 | 31600 | 400 | Pass |
| NVNT | 1-DH5 | 2441 | Ant1 | 2.887 | 256.943 | 89 | 31600 | 400 | Pass |

Dwell NVNT 1-DH1 2441MHz Ant1 One Burst

Dwell NVNT 1-DH1 2441MHz Ant1 Accumulated

Dwell NVNT 1-DH3 2441MHz Ant1 One Burst

Dwell NVNT 1-DH3 2441MHz Ant1 Accumulated

Dwell NVNT 1-DH5 2441MHz Ant1 One Burst

Dwell NVNT 1-DH5 2441MHz Ant1 Accumulated

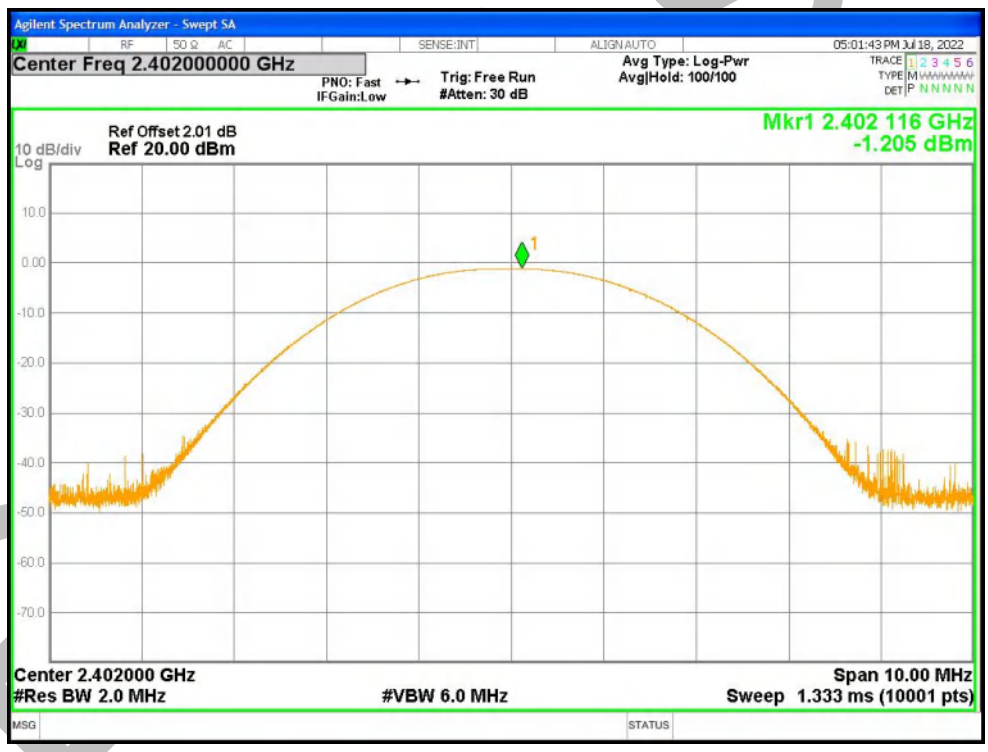
Agilent Spectrum Analyzer - Swept SA
Center Freq 2.441000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
06:26:00 PM Jul 15, 2022
Ref Offset 2.53 dB
10 dB/div
Ref 20.00 dBm
Log
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
Center 2.441000000 GHz
Res BW 1.0 MHz
#VBW 3.0 MHz
Span 0 Hz
Sweep 31.60 s (10001 pts)

# right channel:

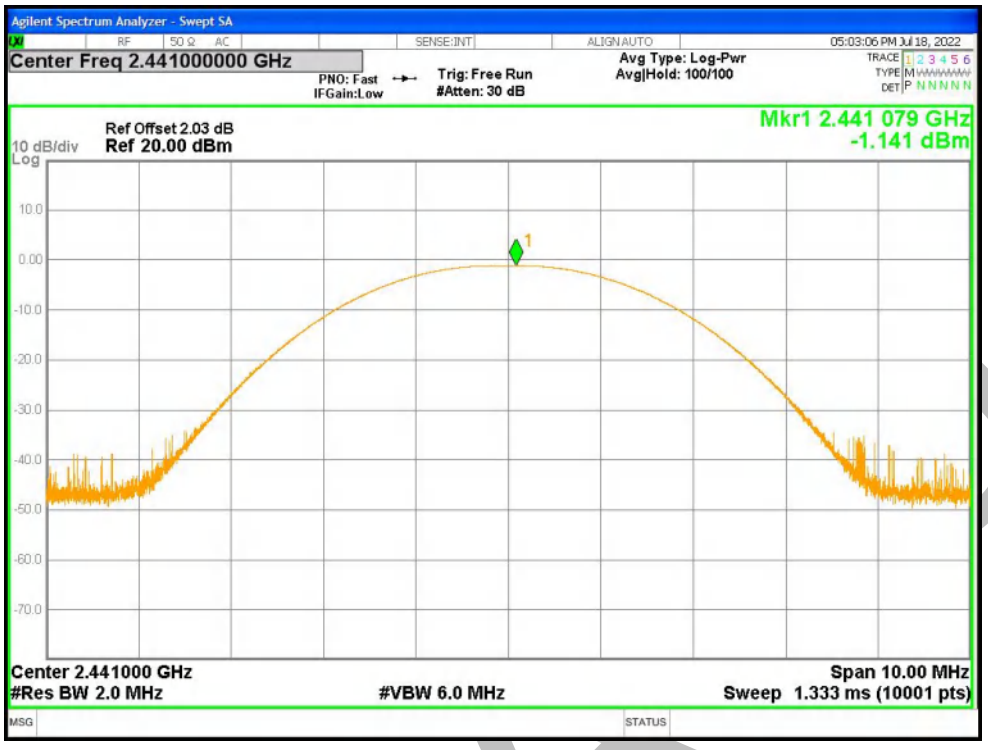
**Maximum Conducted Output Power**

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 1-DH1 | 2402 | Ant1 | -1.205 | 21 | Pass |
| NVNT | 1-DH1 | 2441 | Ant1 | -1.141 | 21 | Pass |
| NVNT | 1-DH1 | 2480 | Ant1 | -0.744 | 21 | Pass |
| NVNT | 2-DH1 | 2402 | Ant1 | -3.182 | 21 | Pass |
| NVNT | 2-DH1 | 2441 | Ant1 | -3.11 | 21 | Pass |
| NVNT | 2-DH1 | 2480 | Ant1 | -2.688 | 21 | Pass |
| NVNT | 3-DH1 | 2402 | Ant1 | -2.603 | 21 | Pass |
| NVNT | 3-DH1 | 2441 | Ant1 | -2.608 | 21 | Pass |
| NVNT | 3-DH1 | 2480 | Ant1 | -2.131 | 21 | Pass |

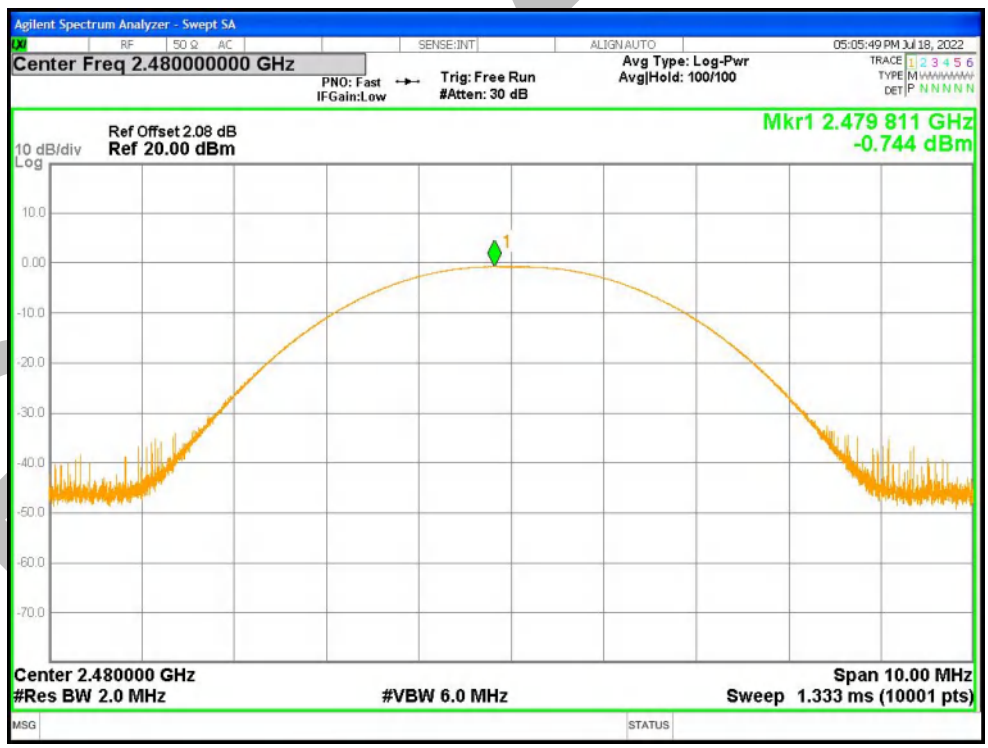
Power NVNT 1-DH1 2402MHz Ant1



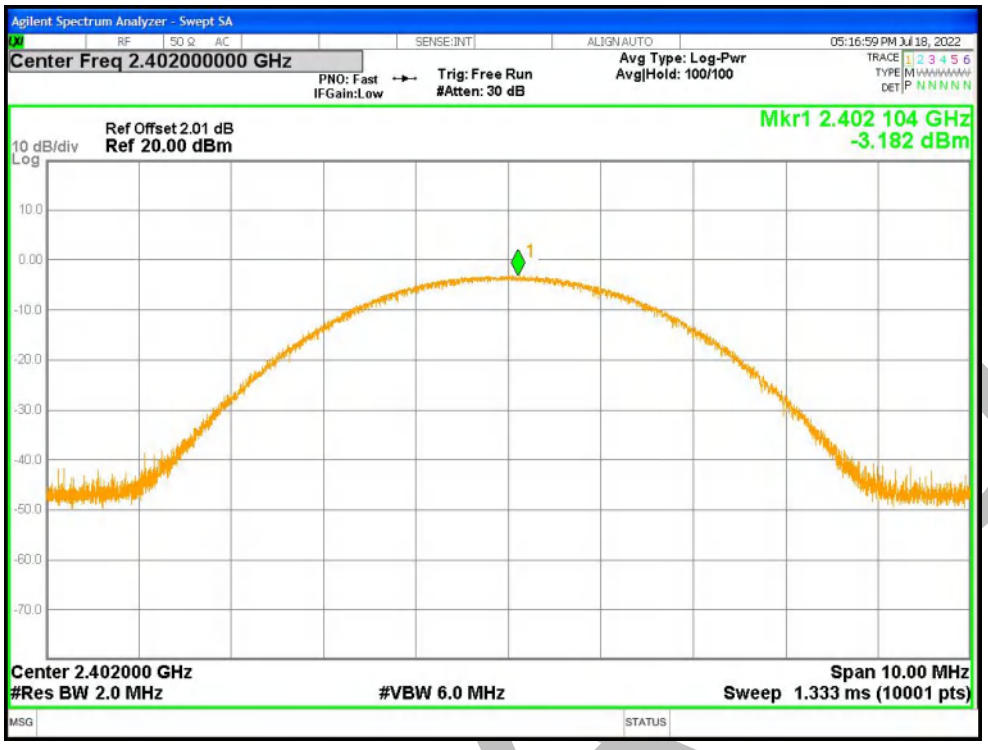

Power NVNT 1-DH1 2441MHz Ant1



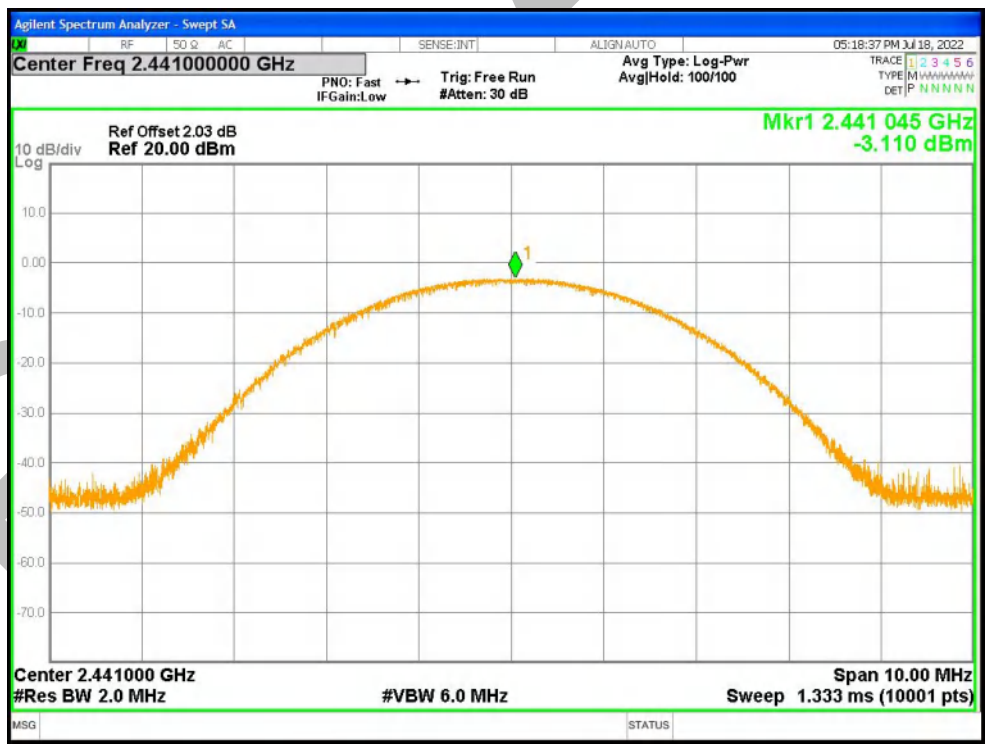

Power NVNT 1-DH1 2480MHz Ant1



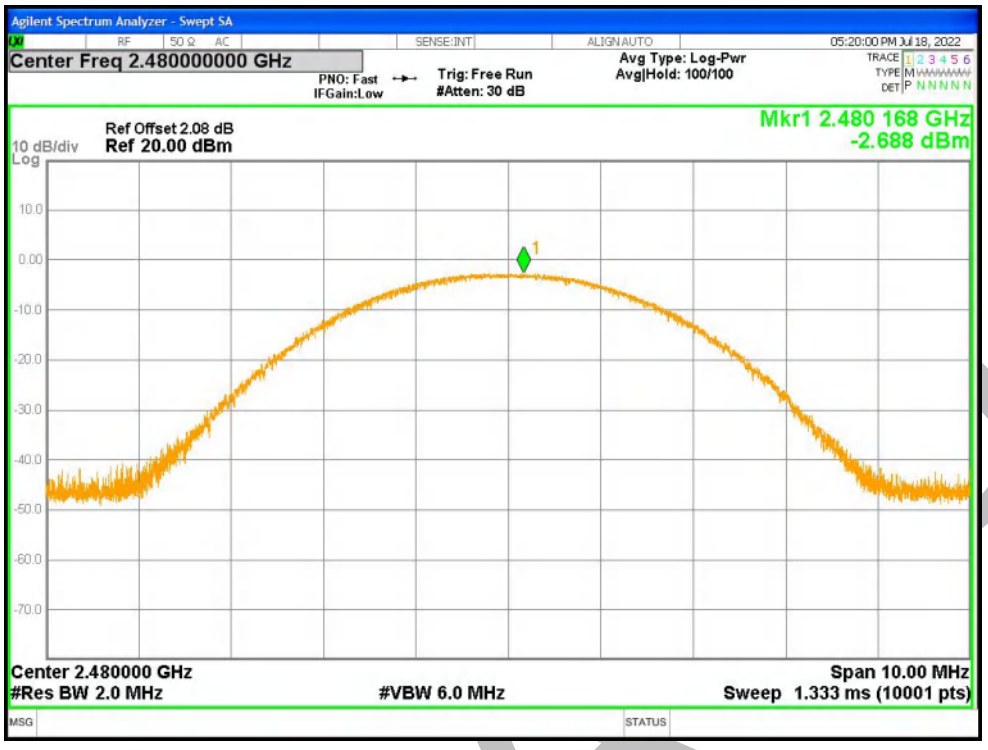

Power NVNT 2-DH1 2402MHz Ant1



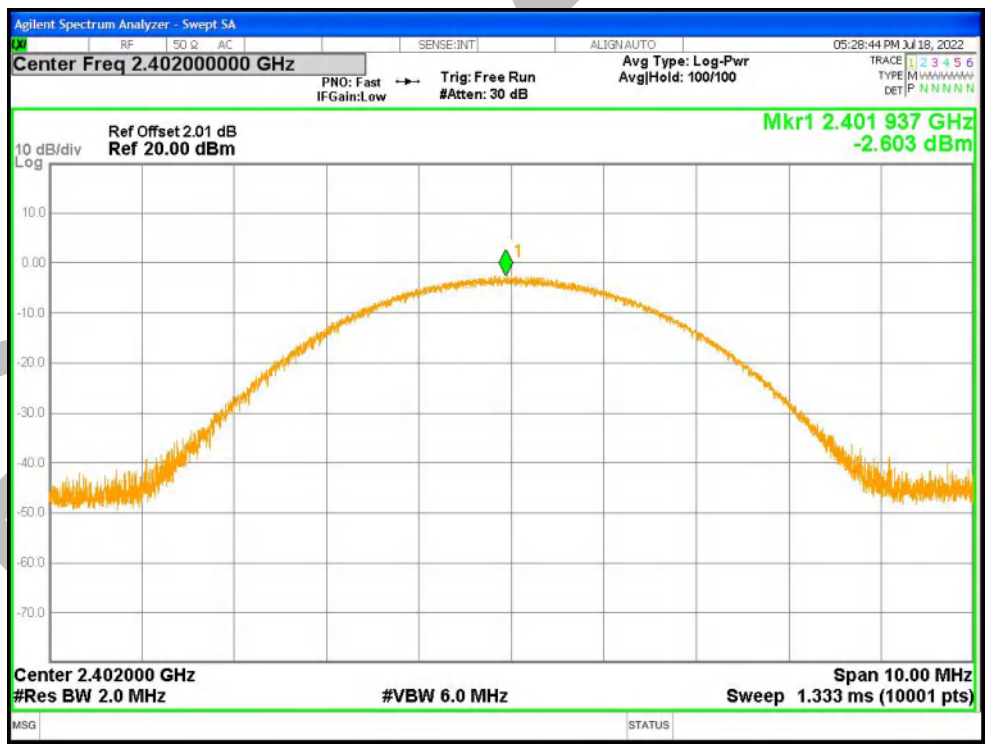

Power NVNT 2-DH1 2441MHz Ant1



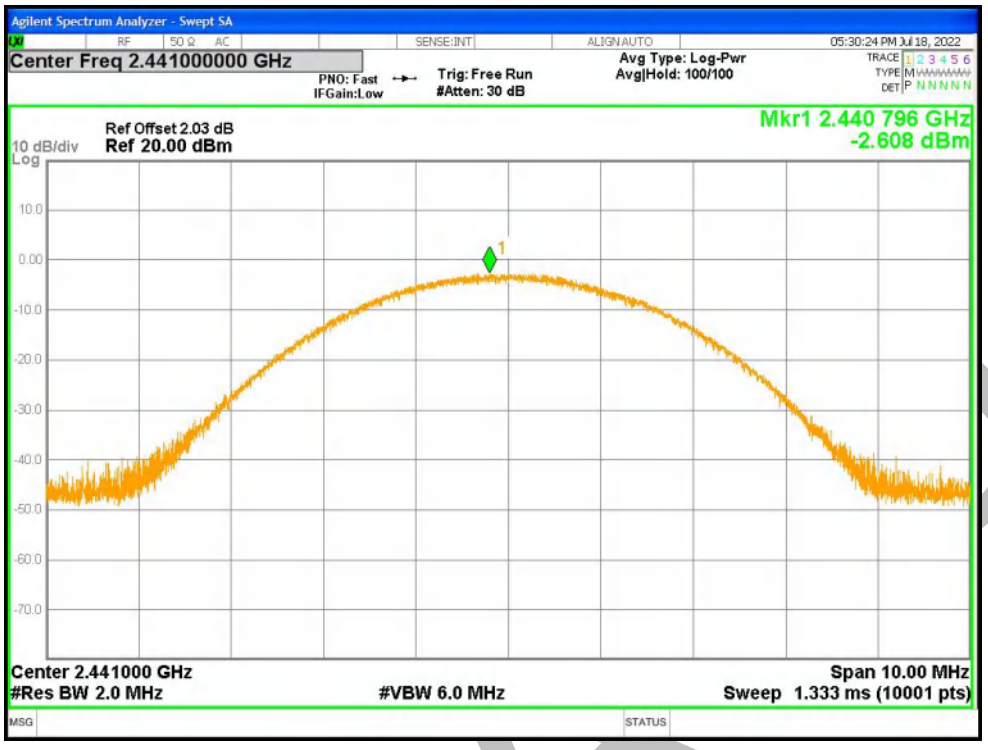

Power NVNT 2-DH1 2480MHz Ant1



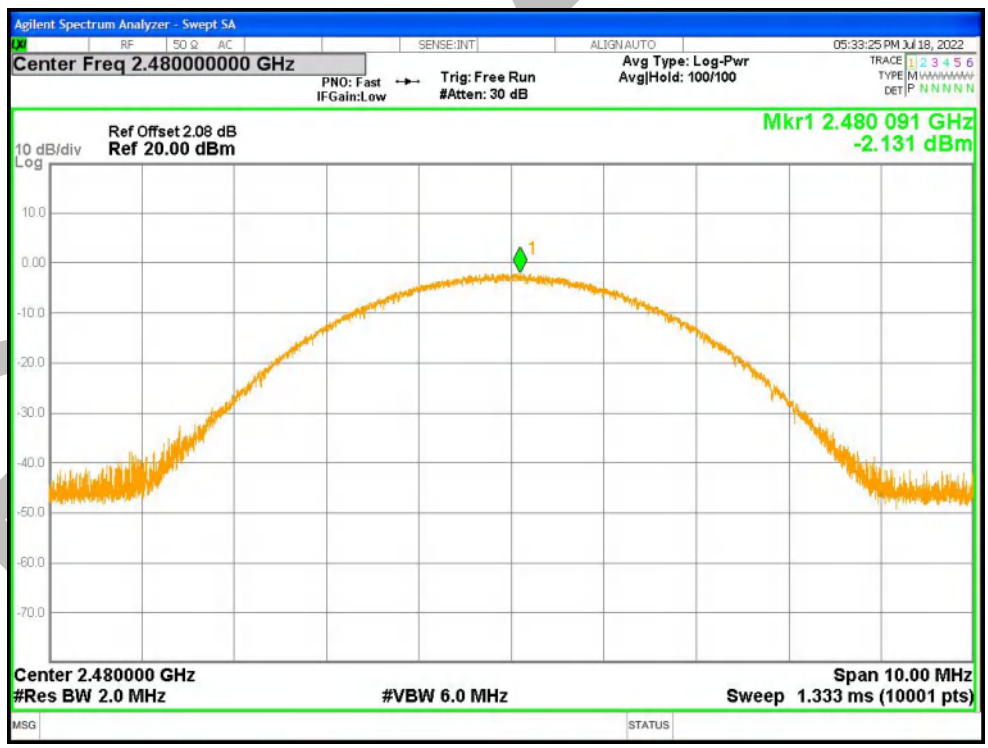

Power NVNT 3-DH1 2402MHz Ant1




Power NVNT 3-DH1 2441MHz Ant1



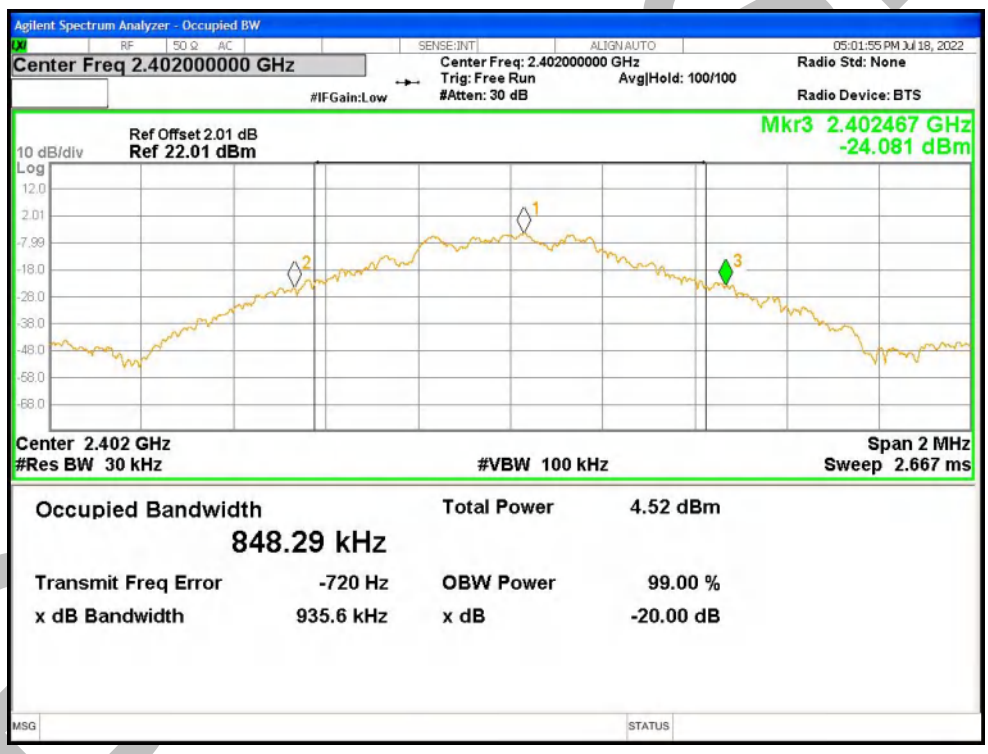

Power NVNT 3-DH1 2480MHz Ant1



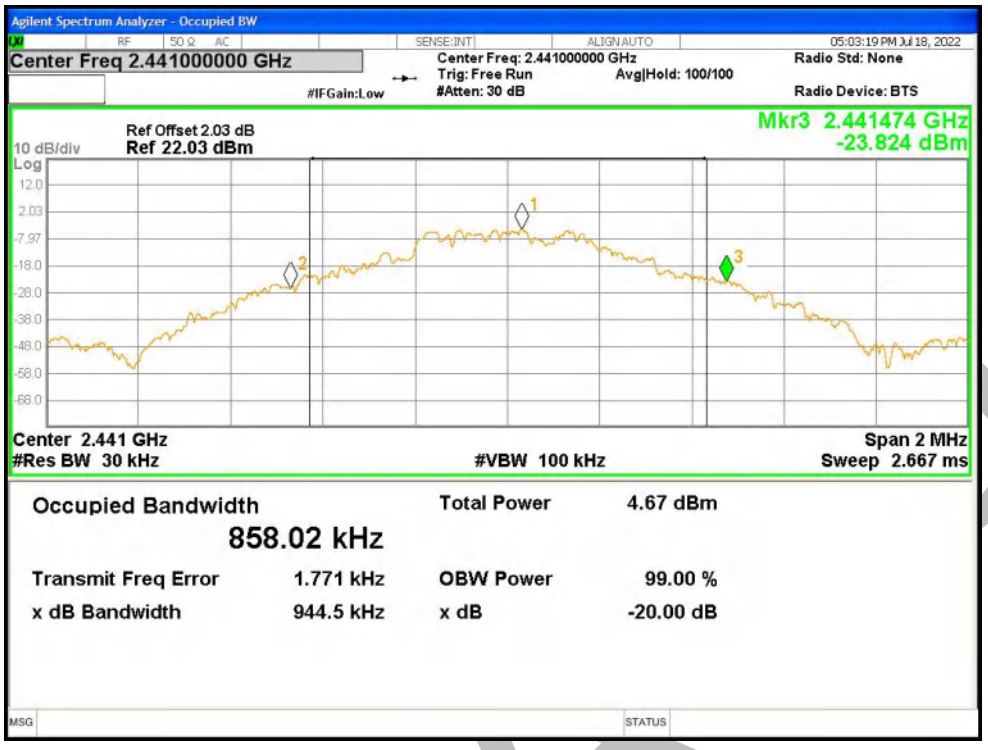
**-20dB Bandwidth**

| Condition | Mode | Frequency (MHz) | Antenna | -20 dB Bandwidth (MHz) | Limit -20 dB Bandwidth (MHz) | Verdict |
|---|---|---|---|---|---|---|
| NVNT | 1-DH1 | 2402 | Ant1 | 0.936 | 0 | Pass |
| NVNT | 1-DH1 | 2441 | Ant1 | 0.945 | 0 | Pass |
| NVNT | 1-DH1 | 2480 | Ant1 | 0.943 | 0 | Pass |
| NVNT | 2-DH1 | 2402 | Ant1 | 1.34 | 0 | Pass |
| NVNT | 2-DH1 | 2441 | Ant1 | 1.337 | 0 | Pass |
| NVNT | 2-DH1 | 2480 | Ant1 | 1.33 | 0 | Pass |
| NVNT | 3-DH1 | 2402 | Ant1 | 1.299 | 0 | Pass |
| NVNT | 3-DH1 | 2441 | Ant1 | 1.296 | 0 | Pass |
| NVNT | 3-DH1 | 2480 | Ant1 | 1.291 | 0 | Pass |

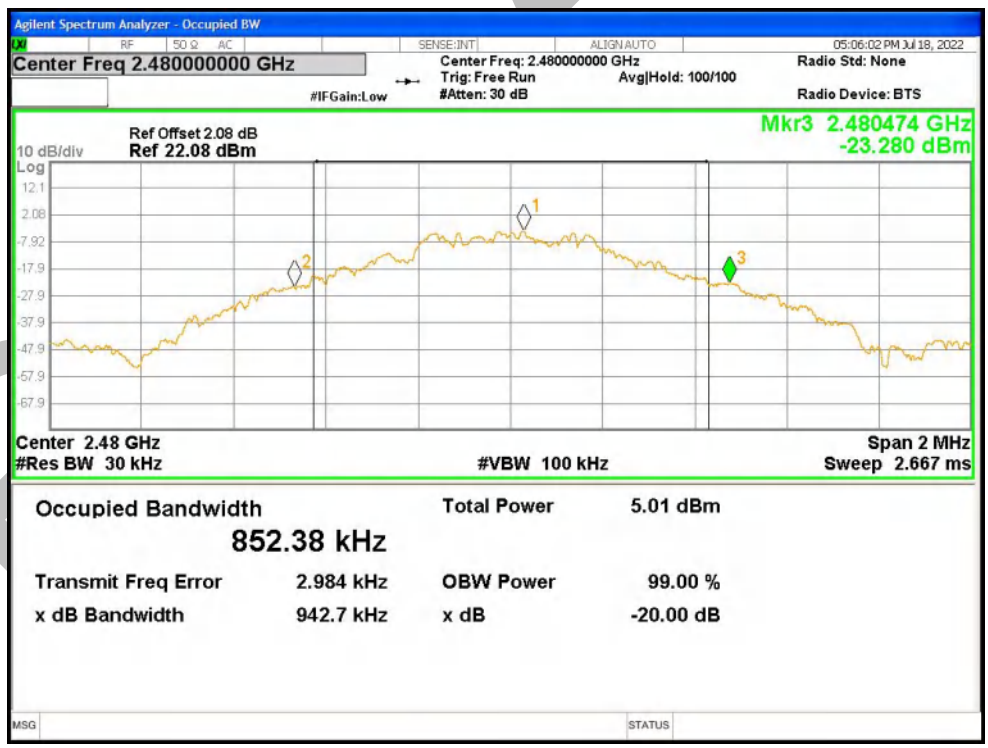
-20dB Bandwidth NVNT 1-DH1 2402MHz Ant1



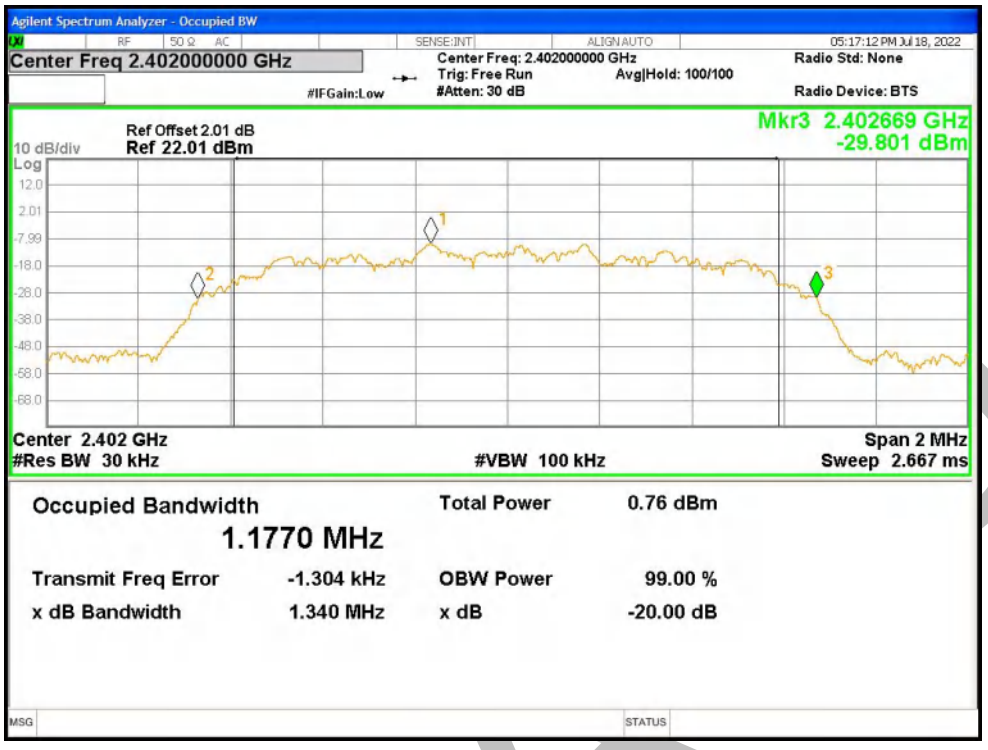

-20dB Bandwidth NVNT 1-DH1 2441MHz Ant1



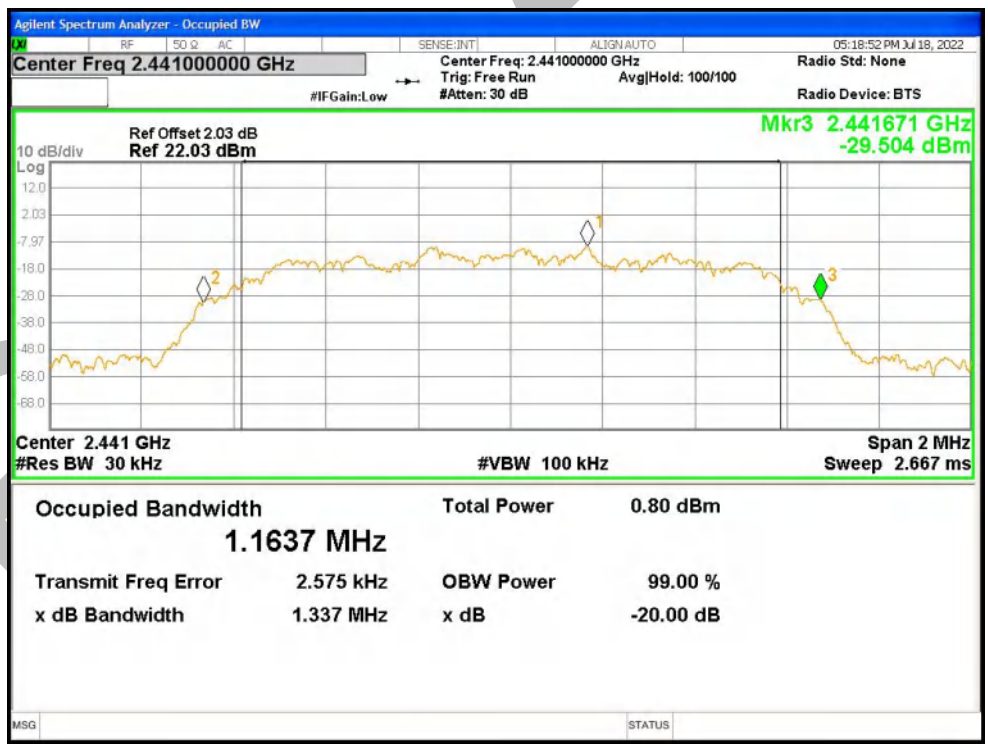

-20dB Bandwidth NVNT 1-DH1 2480MHz Ant1



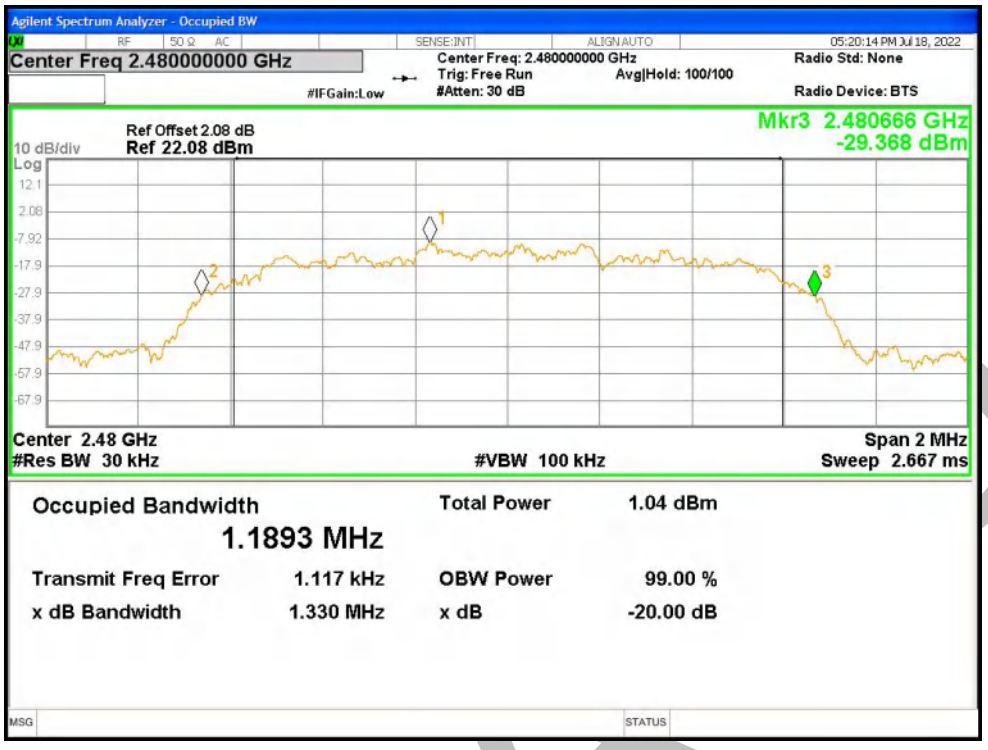

-20dB Bandwidth NVNT 2-DH1 2402MHz Ant1



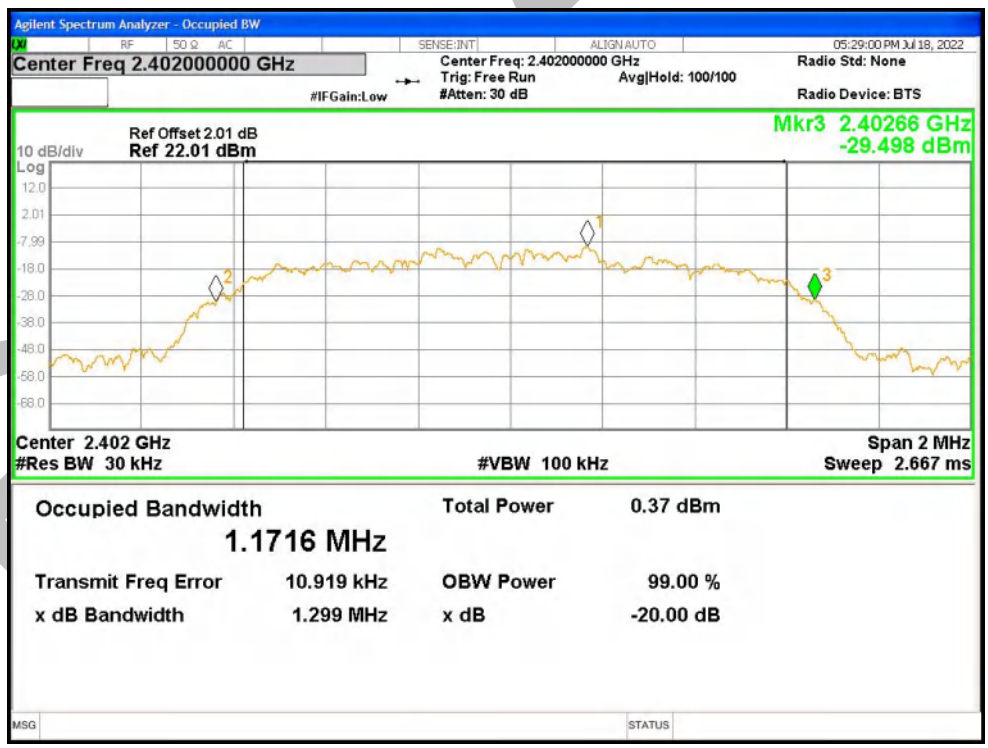

-20dB Bandwidth NVNT 2-DH1 2441MHz Ant1



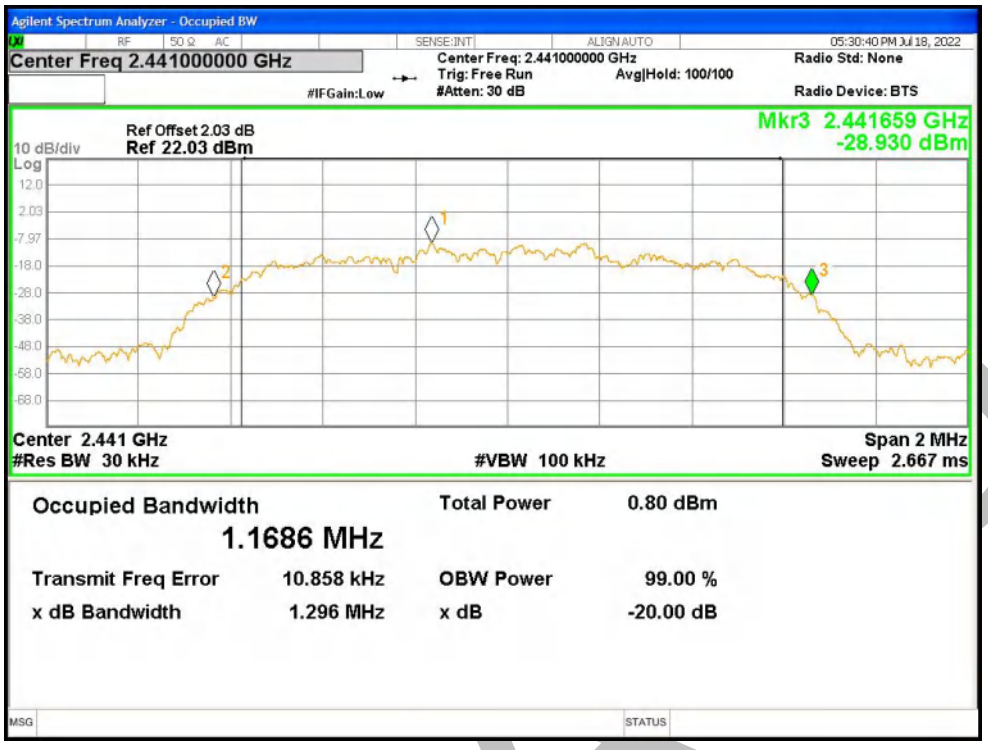

-20dB Bandwidth NVNT 2-DH1 2480MHz Ant1



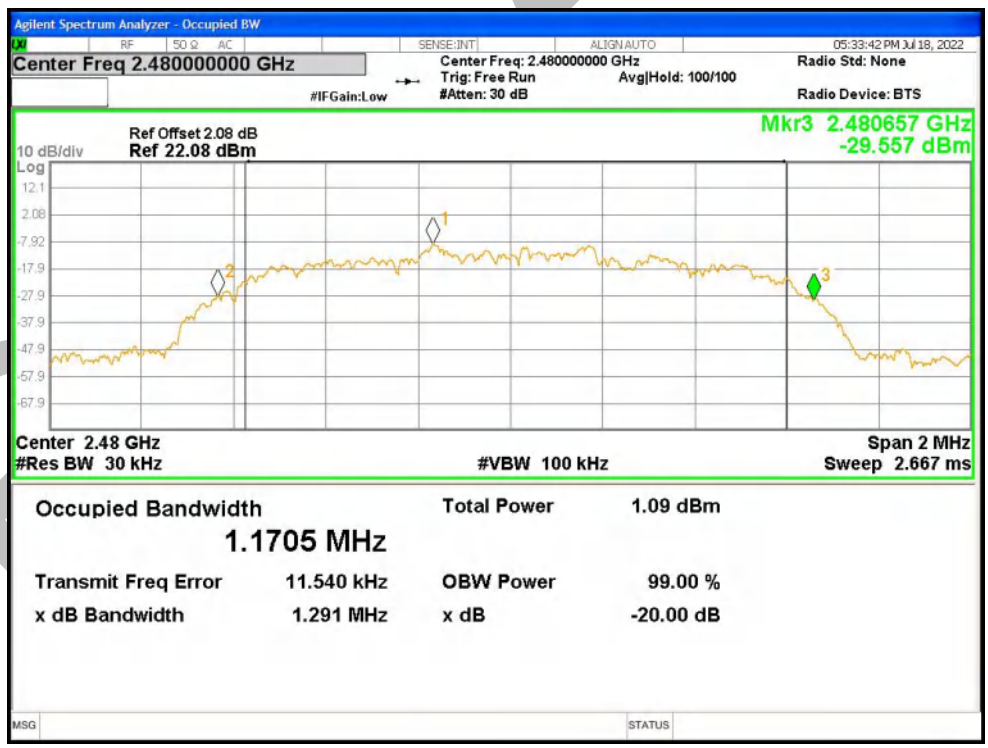

-20dB Bandwidth NVNT 3-DH1 2402MHz Ant1




-20dB Bandwidth NVNT 3-DH1 2441MHz Ant1



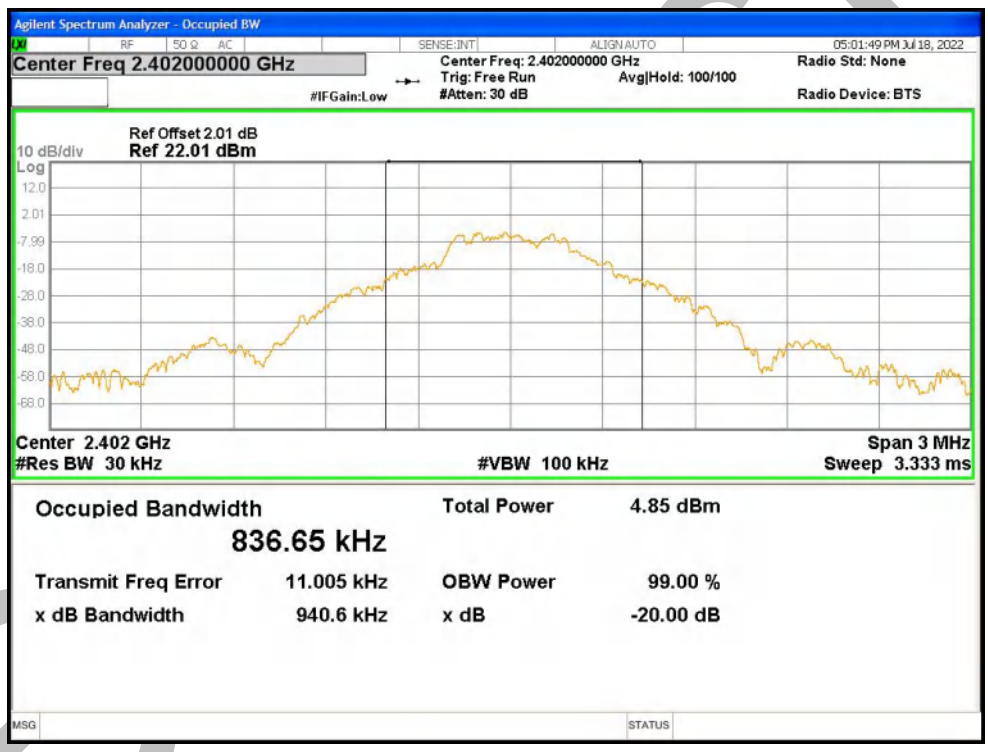

-20dB Bandwidth NVNT 3-DH1 2480MHz Ant1



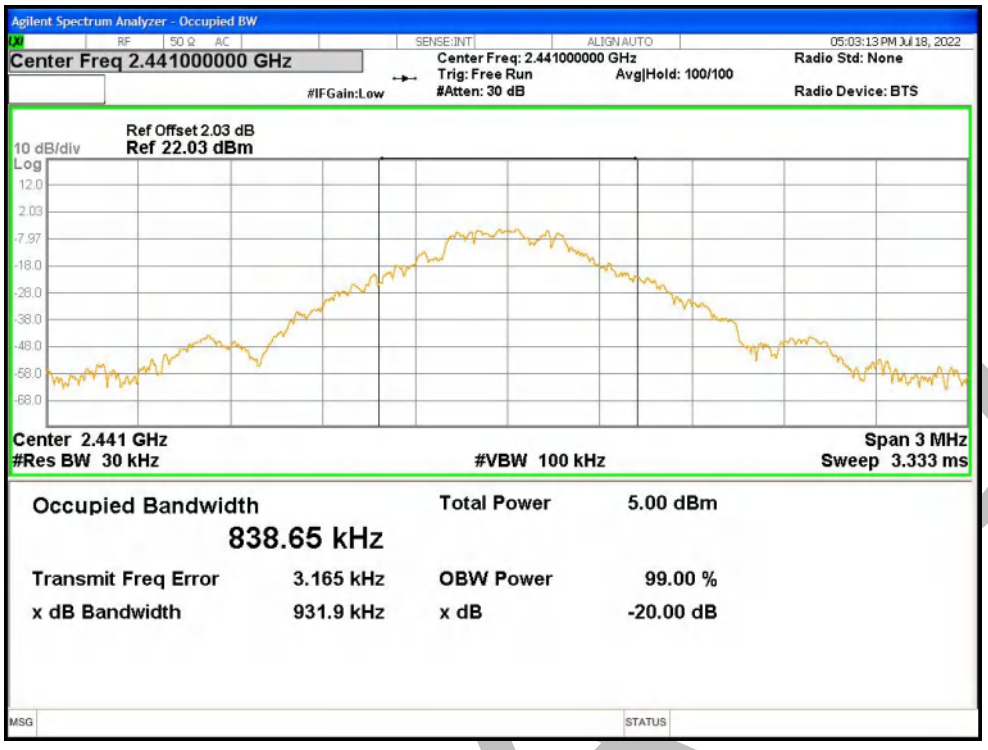
**Occupied Channel Bandwidth**

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|---|---|---|---|---|
| NVNT | 1-DH1 | 2402 | Ant1 | 0.83664 |
| NVNT | 1-DH1 | 2441 | Ant1 | 0.83864 |
| NVNT | 1-DH1 | 2480 | Ant1 | 0.85472 |
| NVNT | 2-DH1 | 2402 | Ant1 | 1.18467 |
| NVNT | 2-DH1 | 2441 | Ant1 | 1.18840 |
| NVNT | 2-DH1 | 2480 | Ant1 | 1.18734 |
| NVNT | 3-DH1 | 2402 | Ant1 | 1.16908 |
| NVNT | 3-DH1 | 2441 | Ant1 | 1.16771 |
| NVNT | 3-DH1 | 2480 | Ant1 | 1.16210 |

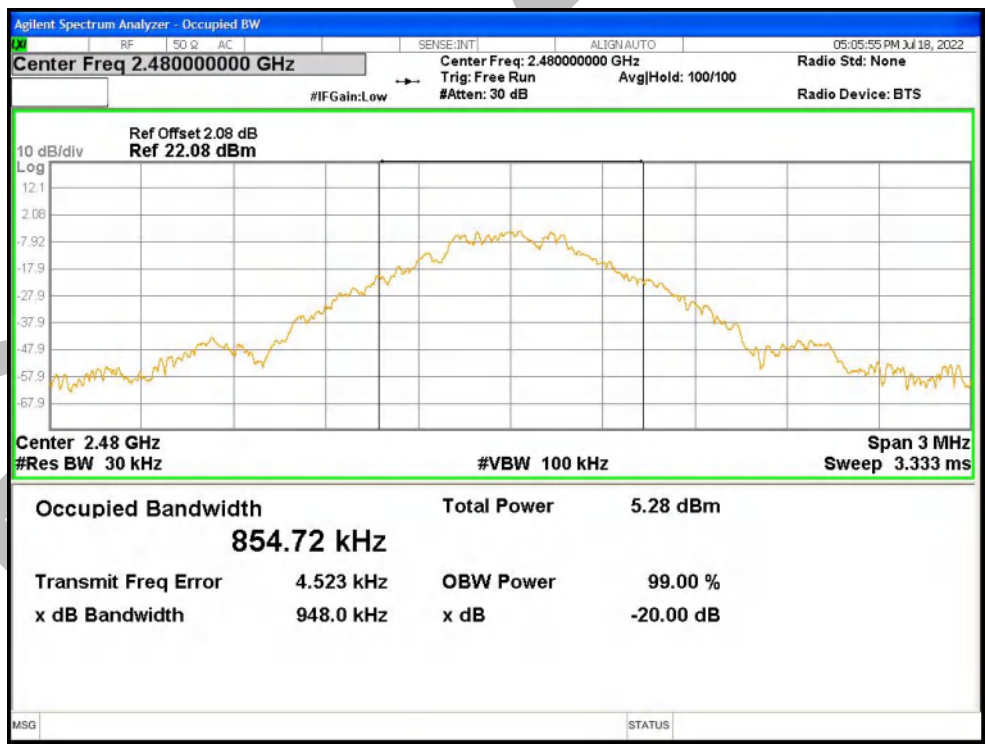
OBW NVNT 1-DH1 2402MHz Ant1



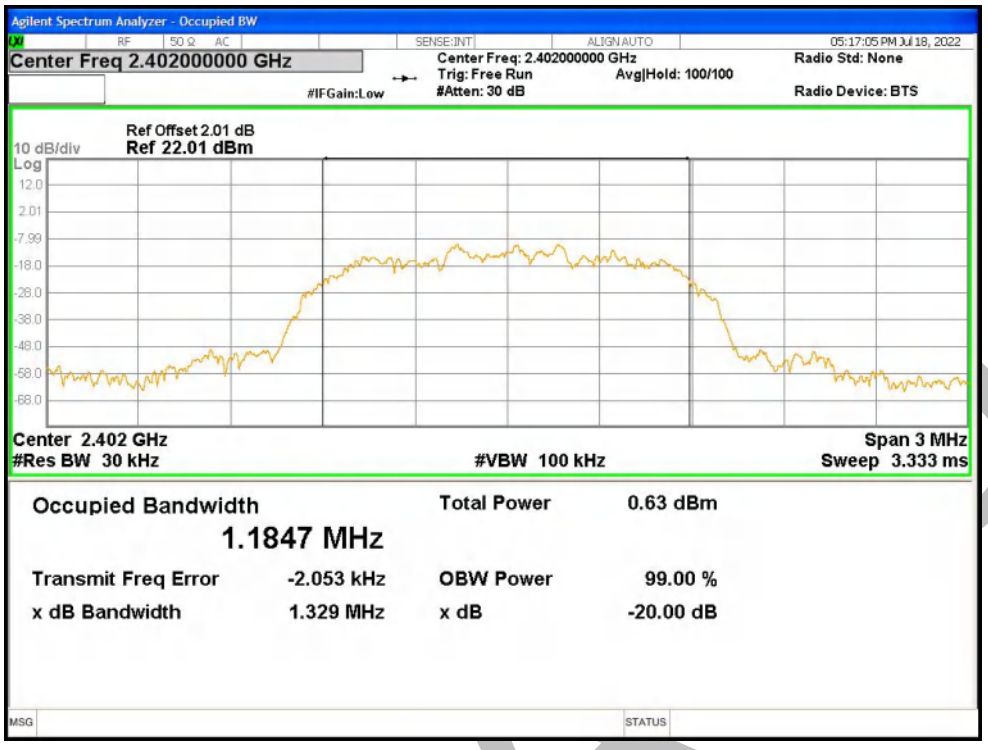

OBW NVNT 1-DH1 2441MHz Ant1



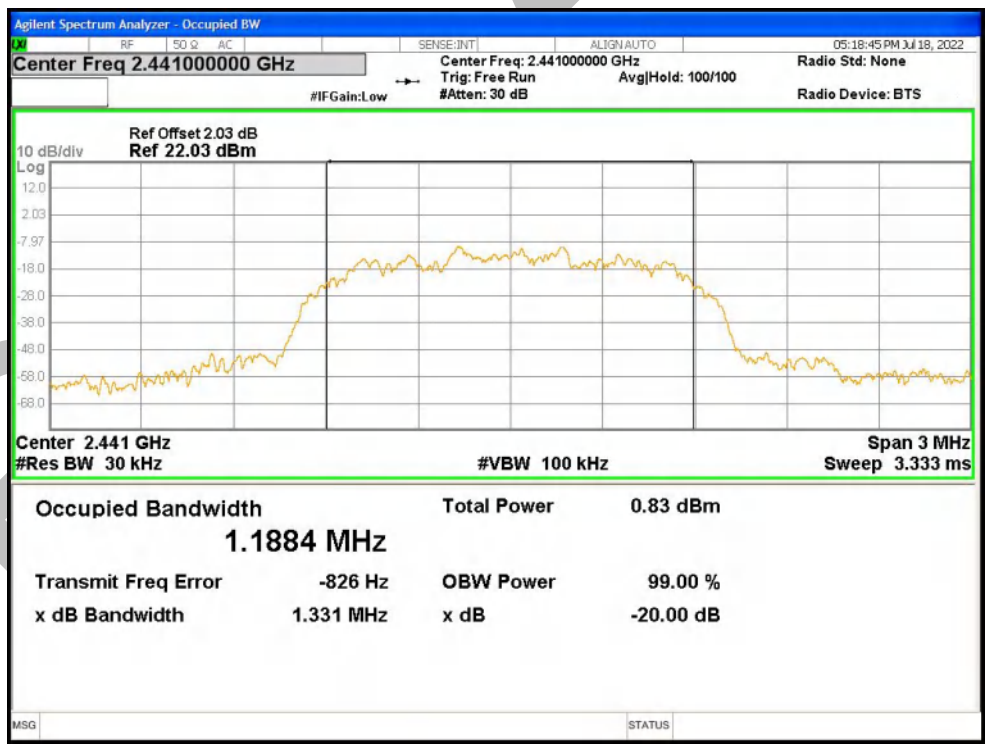

OBW NVNT 1-DH1 2480MHz Ant1



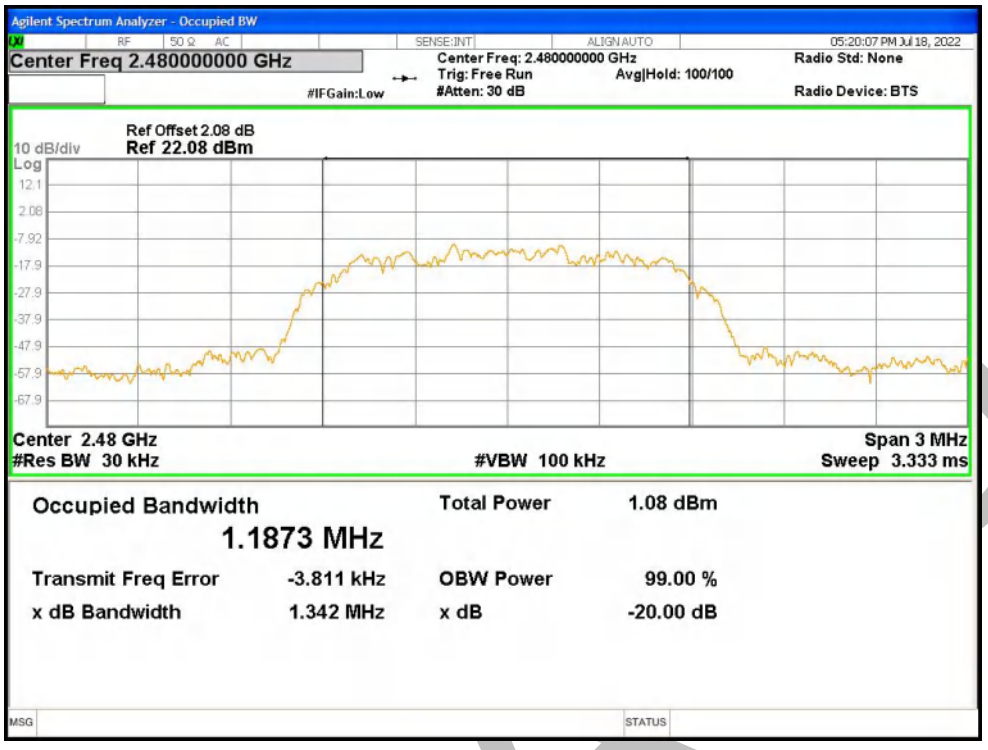

OBW NVNT 2-DH1 2402MHz Ant1



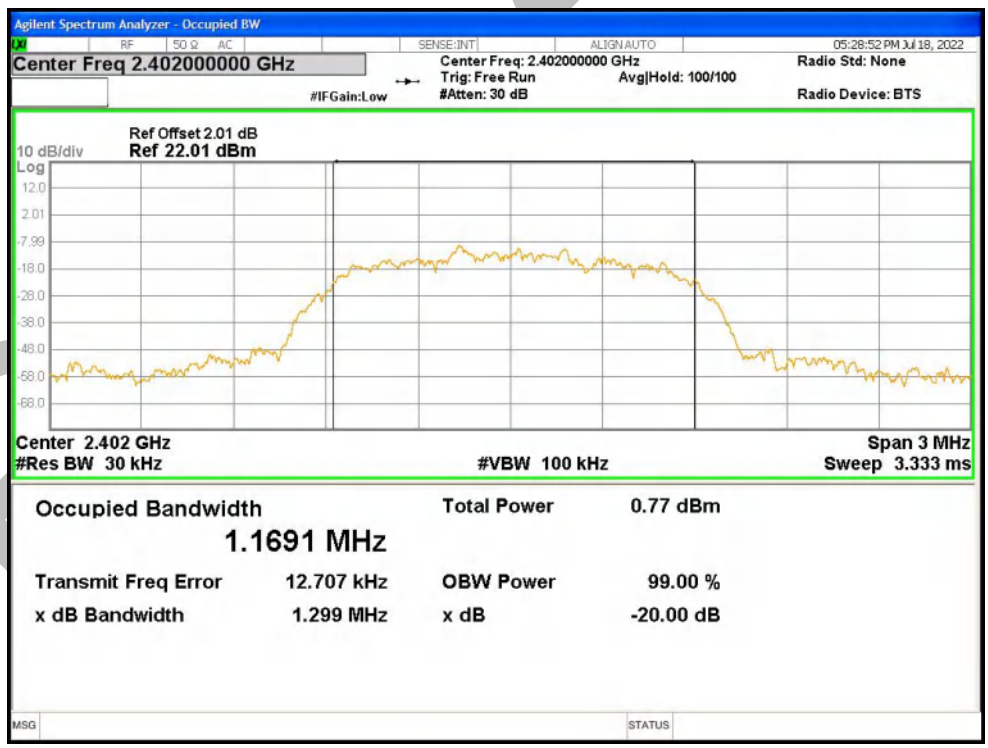

OBW NVNT 2-DH1 2441MHz Ant1



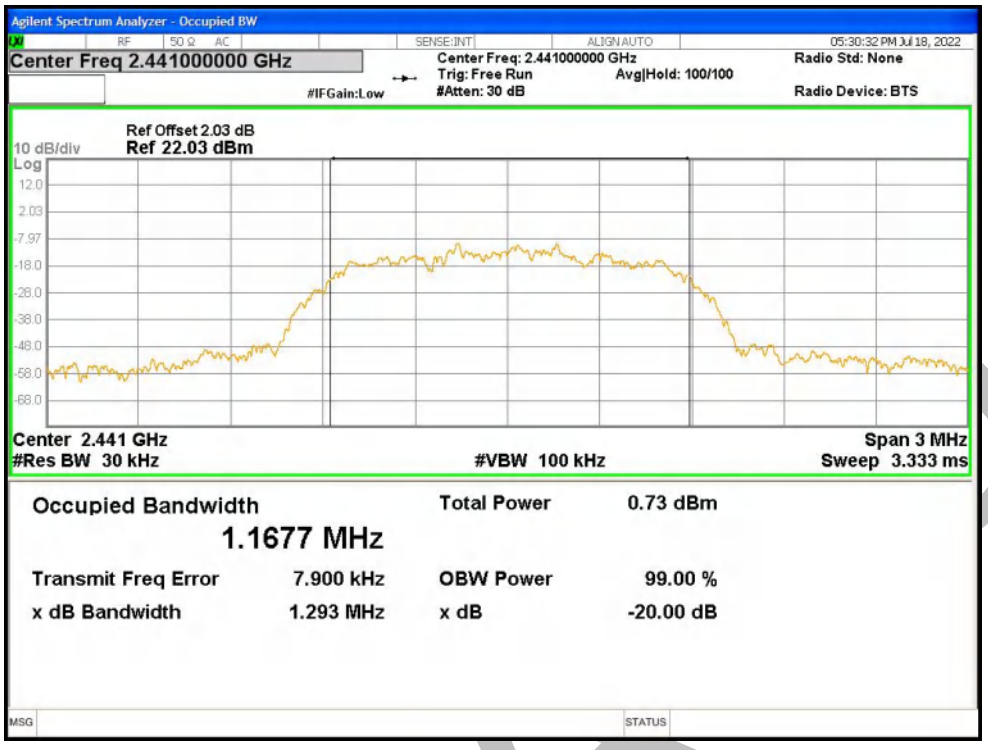

OBW NVNT 2-DH1 2480MHz Ant1



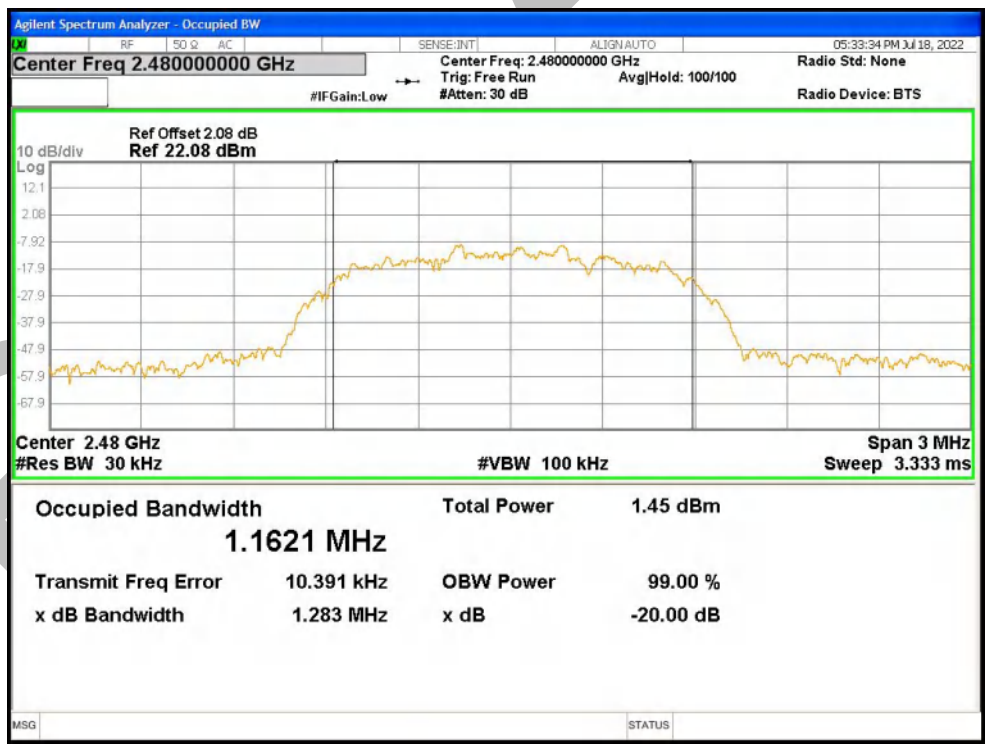

OBW NVNT 3-DH1 2402MHz Ant1




OBW NVNT 3-DH1 2441MHz Ant1




OBW NVNT 3-DH1 2480MHz Ant1

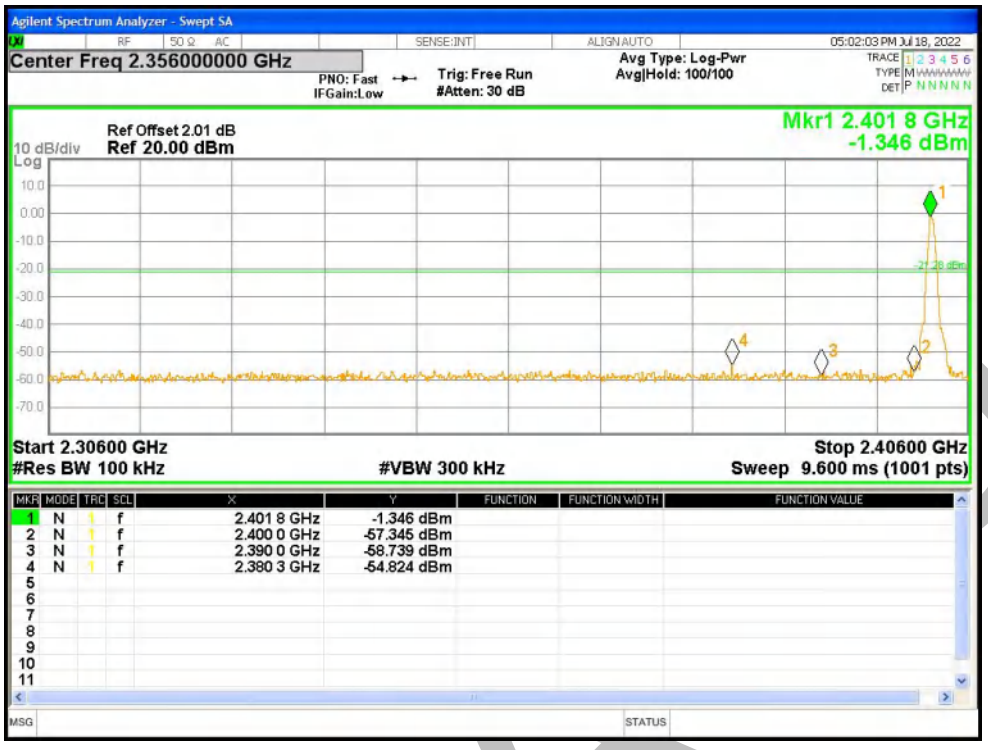


**Band Edge**

| Condition | Mode | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | 1-DH1 | 2402 | Ant1 | No-Hopping | -53.54 | -20 | Pass |
| NVNT | 1-DH1 | 2480 | Ant1 | No-Hopping | -54.42 | -20 | Pass |
| NVNT | 2-DH1 | 2402 | Ant1 | No-Hopping | -50.04 | -20 | Pass |
| NVNT | 2-DH1 | 2480 | Ant1 | No-Hopping | -49.92 | -20 | Pass |
| NVNT | 3-DH1 | 2402 | Ant1 | No-Hopping | -50.18 | -20 | Pass |
| NVNT | 3-DH1 | 2480 | Ant1 | No-Hopping | -50.26 | -20 | Pass |

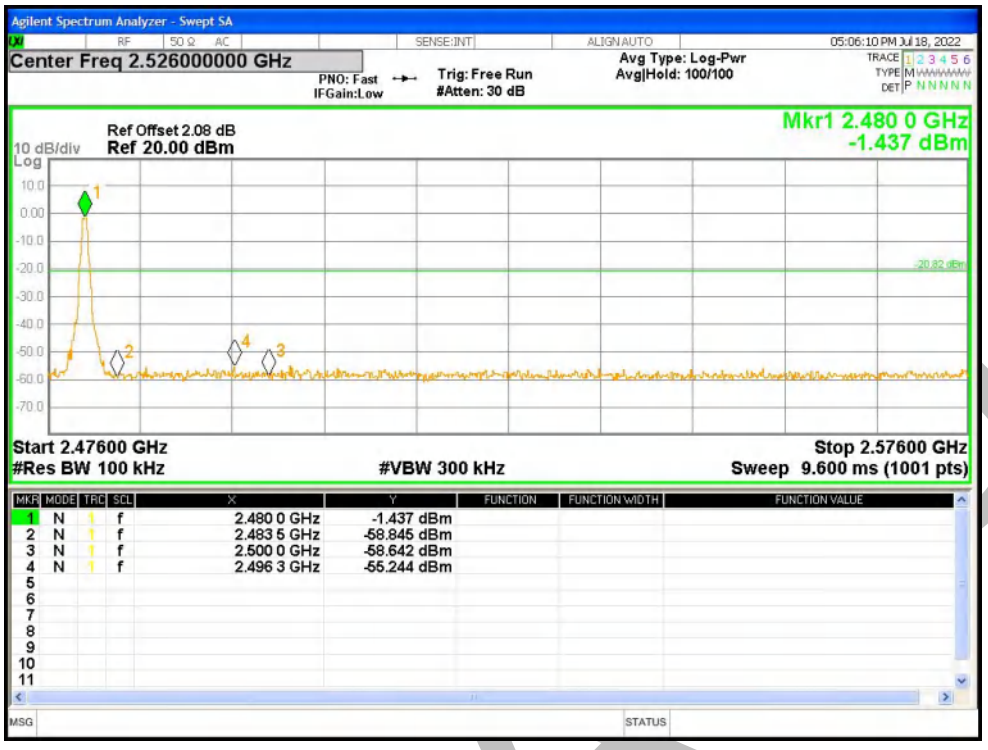
Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Ref

Band Edge NVNT 1-DH1 2402MHz Ant1 No-Hopping Emission



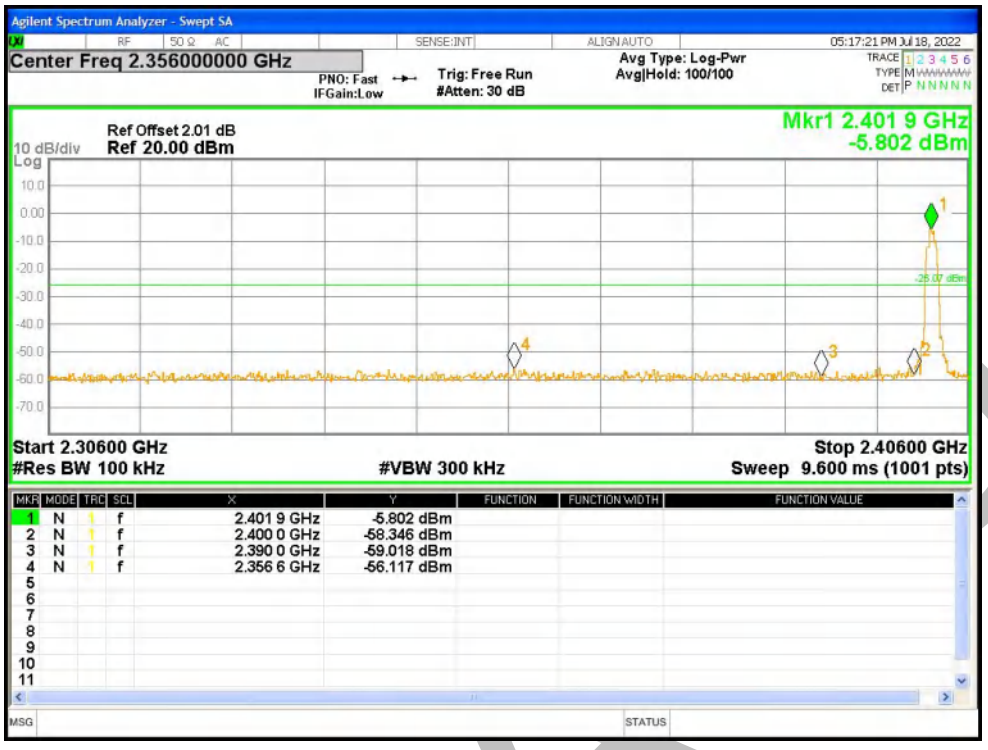

Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Ref

Band Edge NVNT 1-DH1 2480MHz Ant1 No-Hopping Emission



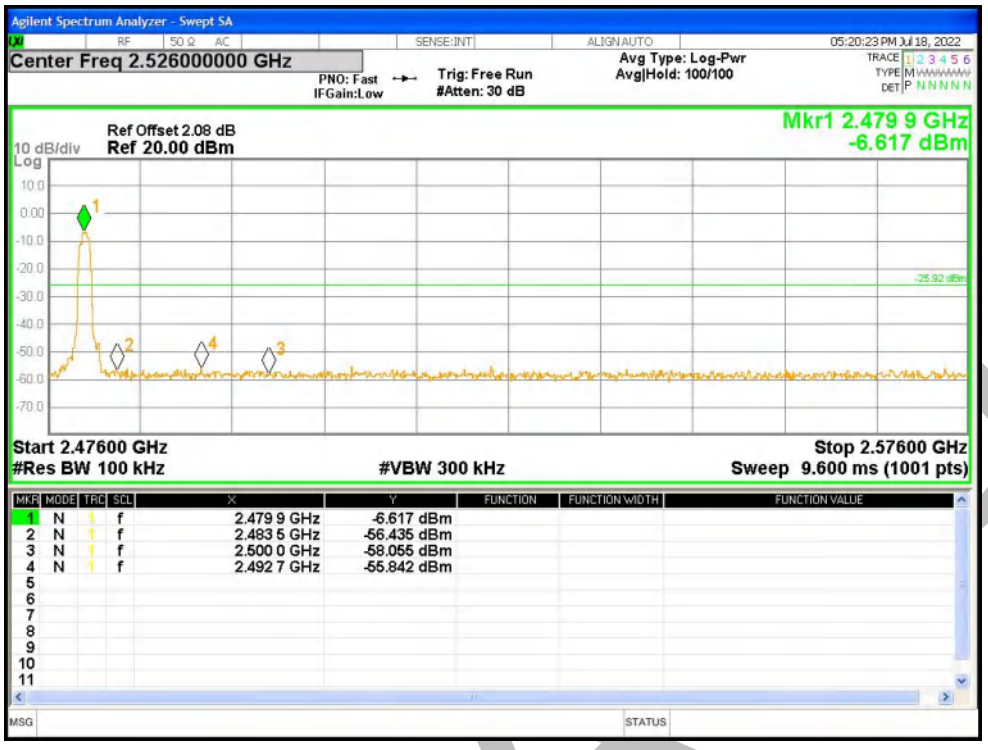

Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Ref

Band Edge NVNT 2-DH1 2402MHz Ant1 No-Hopping Emission

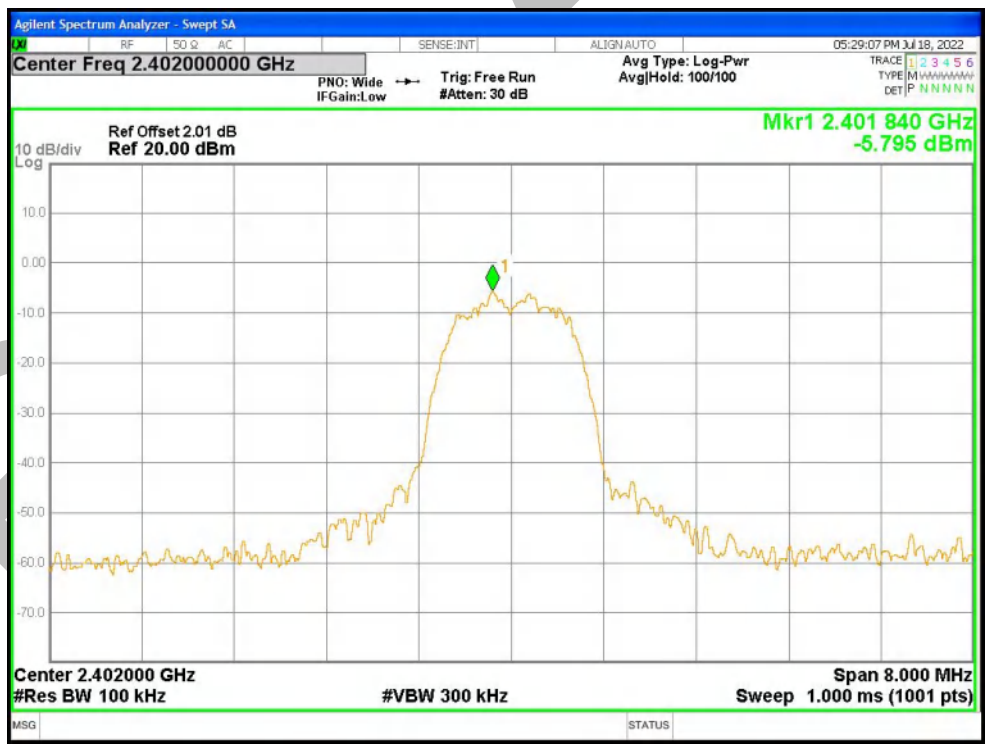



Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Ref

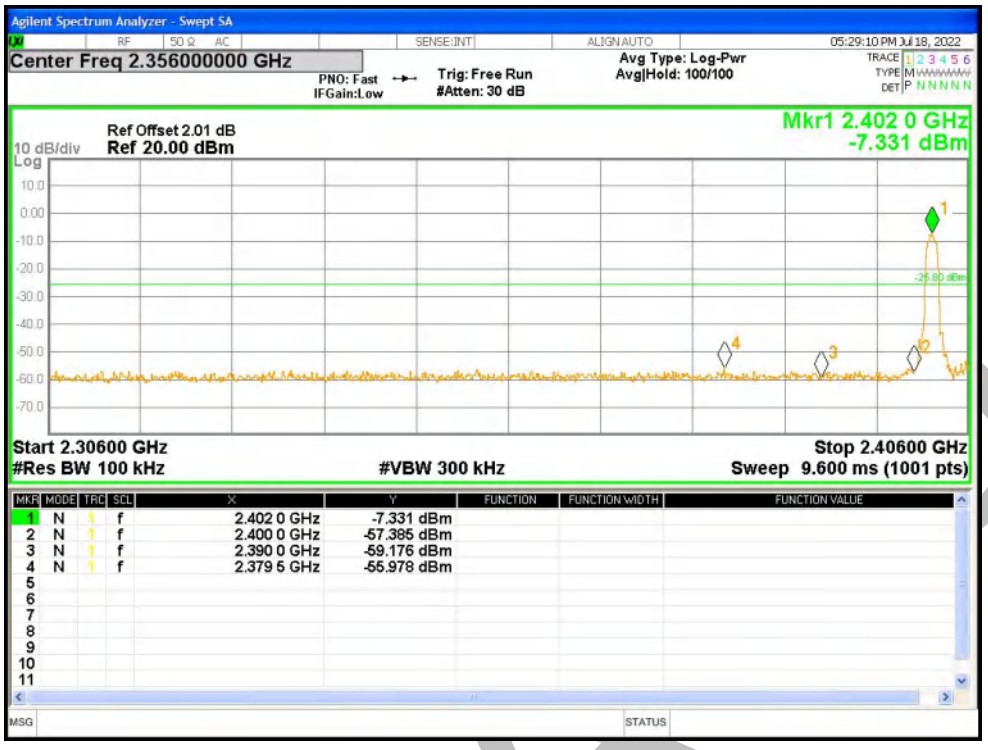
Band Edge NVNT 2-DH1 2480MHz Ant1 No-Hopping Emission




Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Ref

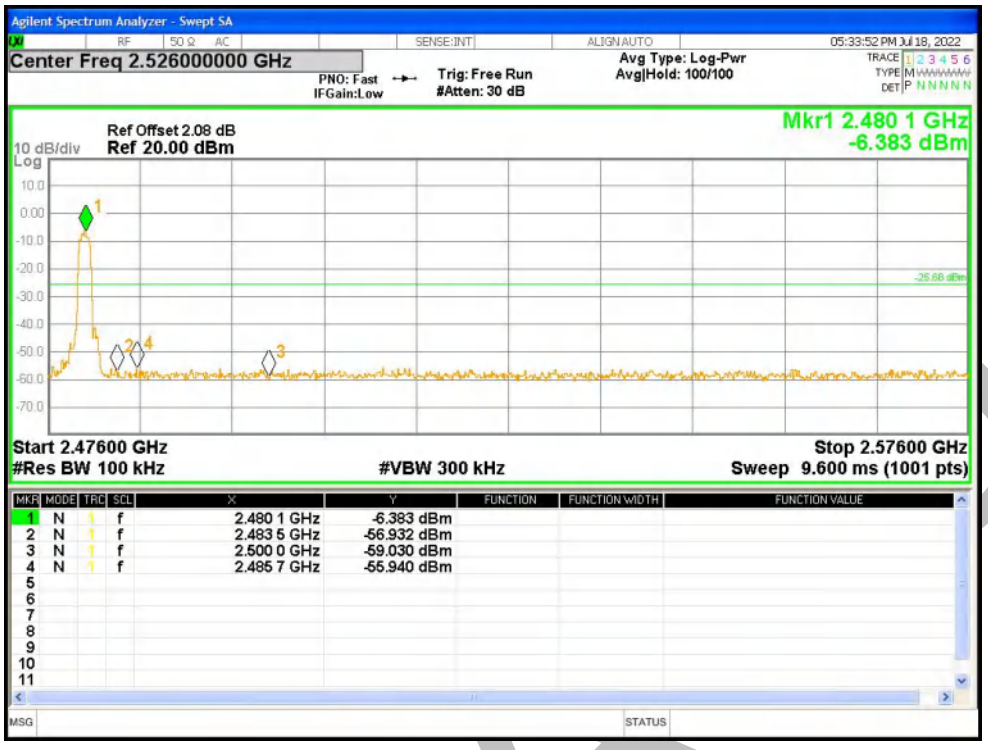



Band Edge NVNT 3-DH1 2402MHz Ant1 No-Hopping Emission




Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Ref

Band Edge NVNT 3-DH1 2480MHz Ant1 No-Hopping Emission


Agilent Spectrum Analyzer - Swept SA
Center Freq 2.526000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
Avg Type: Log-Pwr
Avg|Hold: 100/100
05:33:52 PM Jul 18, 2022
Ref Offset 2.08 dB
10 dB/div
Ref 20.00 dBm
Log
Mkr1 2.480 1 GHz
-6.383 dBm
Start 2.47600 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 2.57600 GHz
Sweep 9.600 ms (1001 pts)
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N 1 f 2.480 1 GHz -6.383 dBm
2 N 1 f 2.483 5 GHz -56.932 dBm
3 N 1 f 2.500 0 GHz -59.030 dBm
4 N 1 f 2.485 7 GHz -55.940 dBm
MSG
STATUS

BlueAsia

**Band Edge(Hopping)**

| Condition | Mode | Frequency (MHz) | Antenna | Hopping Mode | Max Value (dBc) | Limit (dBc) | Verdict |
|---|---|---|---|---|---|---|---|
| NVNT | 1-DH1 | 2402 | Ant1 | Hopping | -52.81 | -20 | Pass |
| NVNT | 1-DH1 | 2480 | Ant1 | Hopping | -53.75 | -20 | Pass |
| NVNT | 2-DH1 | 2402 | Ant1 | Hopping | -48.57 | -20 | Pass |
| NVNT | 2-DH1 | 2480 | Ant1 | Hopping | -49.69 | -20 | Pass |
| NVNT | 3-DH1 | 2402 | Ant1 | Hopping | -48.93 | -20 | Pass |
| NVNT | 3-DH1 | 2480 | Ant1 | Hopping | -49.48 | -20 | Pass |

Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Ref

Band Edge(Hopping) NVNT 1-DH1 2402MHz Ant1 Hopping Emission

Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Ref

Band Edge(Hopping) NVNT 1-DH1 2480MHz Ant1 Hopping Emission